

PATLITE®

GENERAL CATALOG



#1 Global Share
in Signaling Devices

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LAN / USB / PoE / Wireless

	 New	 New		 New
Page Number	P. 11	P. 12	P. 13	P. 14
Product Name	Wireless Data Acquisition System			IO-Link Signal Tower
Series	WD PRO	WDR-Z2-PRO	WDT-Z2 (LR/6M/5E)	LR6-IL
Size (mm)	Φ60	120(W)×158(H)×40(D)	Φ40 / Φ50 / Φ60	Φ60
Conformity Standards	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC
IP/NEMA	IP65 / NEMA TYPE 4X, 13	IP20	Conforms to signal tower to be used	IP65 / NEMA TYPE 4X, 13
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Horizontal / Wall / Ceiling	Upright	Upright
Ambient Temperature	-10°C ~ +50°C	-10°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C
Communication Interface	RS232C	Ethernet (PoE) / USB	-	IO-Link
Protocols and Other Features	-	Modbus TCP / Socket	-	-
Luminous Color	-	-	-	Red, Amber, Green, Blue, White, and Multi-color (7 colors)
Light Pattern	-	-	-	Continuous on / Blinking / Flashing
Modularity of LED Unit	-	-	-	✓
Flashes per Minute	-	-	-	60
Sound Pressure (dB)	-	-	-	84
Number of Alarm Sounds	-	-	-	4
Number of Inputs (bit/binary)	15	-	-	-
Remarks	-	Database compatible	-	WDT-Z2 mountable

LAN / USB / PoE / Wireless

				
Page Number	P. 15	P. 16	P. 17	P. 19
Product Name	IO-Link Signal Beacons	Network Monitor MP3 Voice Annunciator Signal Tower	Network Monitor Signal Tower	USB Signal Tower
Series	NE-IL	NH-FV	NH-FB	LR6-USB
Size (mm)	Φ56	Φ40 / Φ60	Φ40 / Φ60	Φ60
Conformity Standards	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / UL / FCC / KC
IP/NEMA	IP65 / NEMA TYPE 4X, 13	IP20	IP20	IP65
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright	Upright
Ambient Temperature	-25°C ~ +60°C	0°C ~ +40°C	0°C ~ +40°C	-20°C ~ +50°C
Communication Interface	IO-Link	Ethernet	Ethernet	USB 2.0
Supported Protocols	-	HTTP / RSH / PING / SNMP / SLMP / SOCKET	HTTP / RSH / PING / SNMP / SLMP / SOCKET	DLL, Linux
Luminous Color	Red, Amber, Green, Blue, Cyan, Purple, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green
Light Pattern	Continuous on / Blinking / Pulse	Continuous on / Blinking / Flashing	Continuous on / Blinking / Flashing	Continuous on / 4 patterns
Modularity of LED Unit	-	✓	✓	✓
Flashes per Minute	Determined by programming	60 / 120	60 / 120	-
Sound Pressure (dB)	88	88 (Adjustable volume)	80/70	80/70 (Adjustable volume)
Number of Alarm Sounds	8	70	4	4
Number of Inputs (bit/binary)	-	4	-	-
Number of Outputs	Touch sensor	1	-	-
Remarks		Sends e-mail alerts / Cloud compatible	Sends e-mail alerts	-

LAN / USB / PoE / Wireless

				
Page Number	P.20	P.22	P.23	P.24
Product Name	Multi-color LED Signal Tower	Interface Converter with Signal Tower	Interface Converter	Interface Converter
Series	LA6-POE	PHE-3FB3N	NBM-D88NN	PHC-D08N
Size (mm)	Φ60	Φ40	266(W)×42(H)×137.5(D)	117(W)×28(H)×100(D)
Conformity Standards	CE / RoHS / UL FCC / KC	CE / RoHS / UL / FCC / KC	CE / RoHS / FCC	CE / RoHS / UL / FCC
IP/NEMA	IP20 (stationary mounting) / IP54 (direct mounting)	IP20	IP20	IP20
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright / Inverted	Upright	Upright	Upright
Ambient Temperature	-10°C ~ +50°C	0°C ~ +40°C	0°C ~ +40°C	0°C ~ +40°C
Communication Interface	Ethernet (PoE)	USB 2.0 / RS-232C	Ethernet	USB 2.0 / RS-232C
Protocols and Other Features	HTTP / Modbus TCP SOCKET	Original protocol	HTTP / RSH / PING SNMP / SOCKET	-
Luminous Color	Multi-color (21 colors)	Red, Amber, Green	-	-
Light Pattern	Continuous on / Blinking / Flashing	Continuous on / Blinking	-	-
Modularity of LED Unit	-	✓*	-	-
Flashes per Minute	30 / 60 / 120	37.5 / 75	-	-
Sound Pressure (dB)	85	80	-	-
Number of Alarm Sounds	11 (Adjustable volume)	4 (Adjustable volume)	-	-
Number of Inputs (bit/binary)	7 / 31	-	8	-
Number of Outputs	-	-	8	8
Remarks	-	-	Sends e-mail alerts	-

* Cannot add additional tiers.

Signal Tower

			
Page Number	p.25	p.27	p.39
Product Name	Multi-color LED Signal Tower	Signal Tower	Signal Tower with Switch Box
Series	LA6	LR	HSST
Size (mm)	Φ60	Φ40 / Φ50 / Φ60 / Φ70	Φ50
Conformity Standards	CE / RoHS / UL FCC / KC / PSE	CE / RoHS / UL / FCC / KC	RoHS / FCC
IP/NEMA	IP65 / IP54	IP65 / NEMA TYPE 4X, 13	IP54 (Signal tower only)
Mounting Location	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright
Ambient Temperature	-25°C ~ +60°C	-20°C ~ +50°C	0°C ~ +40°C
Luminous Color	Multi-color (21 colors)	Red, Amber, Green, Blue, White, and Multi-color (7 colors)	Red, Amber, Green
Light Pattern	Continuous on / Blinking / Pulse	Continuous on / Blinking	Continuous on
Modularity of LED Unit	-	✓	✓
Flashes per Minute	60	60	-
Sound Pressure (dB)	85 (-5, -10 Sound reduction available)	85/85/88/90 (-10 Sound reduction available)	-
Number of Alarm Sounds	11	4	-
Remarks	-	Compatible with Φ40 / Φ50 / Φ60 WDT-Z2	Compatible with Φ50 WDT-Z2

Signal Tower



Page Number

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P.45

Product Name

Signal Tower

Series	ME-A / MES-A	MP / MPS	LS7	LGE
Size (mm)	Φ25	Φ30	Φ70	Φ100
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS
IP/NEMA	IP42	IP65	IP65 / IP54	IP54
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	Upright	Upright	Upright	Upright
Ambient Temperature	-10°C ~ +55°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White
Light Pattern	Continuous on	Continuous on	Continuous on / Blinking	Continuous on / Blinking
Modularity of LED Unit	✓	✓	-	✓
Flashes per Minute	-	-	60	60
Sound Pressure (dB)	-	-	85	85
Number of Alarm Sounds	-	-	2 (Adjustable volume)	1
Remarks	-	-	-	-

Signal Tower



Page Number

P.46

P.47

P.49

P.50

Product Name

Wall Mount Signal Tower

Signal Tower

Series	WEP/WE	WME-D	EDLR	KUS
Size (mm)	W90×D37.5	W70×D80	Φ228	□70
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL / FCC / KC	RoHS	RoHS
IP/NEMA	IP65 / IP54	IP54	IP66	IP54
Mounting Location	Indoor	Indoor	Indoor / Outdoor	Indoor
Mounting Direction	Upright, Facing up or down, Sideways	Upright, Facing up or down, Sideways	Upright	Upright
Ambient Temperature	-30°C ~ +60°C	-10°C ~ +55°C	-20°C ~ +50°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue, White	Red, Amber, Green, Blue, White	Red, Amber, Green	Red, Amber, Green, Blue, White
Light Pattern	Continuous on / Blinking	Continuous on / Blinking	Continuous on / Blinking	Continuous on / Blinking
Modularity of LED Unit	-	✓	-	✓
Flashes per Minute	60	60	60	60
Sound Pressure (dB)	90	93	-	80
Number of Alarm Sounds	2	2	-	1
Remarks	-	-	-	-

Beacons

				
Page Number	P.51	P.53	P.55	P.57
Product Name	Signal Beacon	Rotating Beacon	Multi-Function Beacon	Signal Beacon
Series	SL	SK	SF	NE-A
Size (mm)	Φ80 / Φ100 / Φ150	Φ80 / Φ100 / Φ150	Φ80 / Φ100	Φ56
Light Source	LED	LED	LED	LED
Conformity Standards	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC EAC / PSE	CE / RoHS / UL / FCC / KC
IP/NEMA	IP23 / IP66 NEMA TYPE 4X, 13	IP23	IP23 / IP66 NEMA TYPE 4X, 13	IP65 / IP67 NEMA TYPE 4X, 13
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	All
Ambient Temperature	-20°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C	-25°C ~ +60°C
Luminous Color	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue	Red, Amber, Green, Blue, White, and Multi-color (7 colors)
Light Pattern	Continuous on / Blinking / Flashing	Motorized rotation	22 light patterns	Continuous on / Blinking
Flashes per Minute	Blinking: 180, Triple flash: 120	120	180/120/60; Single: 60; Double: 90; Triple: 120; Pulse: 20;	60 (multi-color type only)
Sound Pressure (dB)	88	88	88	88
Number of Alarm Sounds	1	1	1	2
Remarks	-	-	-	Touch sensor

Beacons

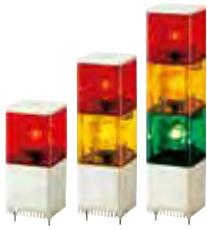
				
Page Number	P.58	P.59	P.60	P.61
Product Name	Rotating Beacon	Signal Beacon	Signal Beacon	Warning Light
Series	RLR	LFH	REL	LPT
Size (mm)	Φ162	Φ100	Φ228	86(W)×28(H)×13.5(D) 114.4(W)×43.4(H)×13.5(D)
Light Source	LED	LED	LED	LED
Conformity Standards	CE / RoHS	CE / RoHS / UL / FCC	RoHS	CE / RoHS / FCC / KC
IP/NEMA	IP66	IP66	IP65	IP68 / TYPE 4X, 13
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright, Inverted	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	All Directions
Ambient Temperature	-30°C ~ +70°C (Except AC specification)	-30°C ~ +70°C (Except AC specification)	-20°C ~ +55°C	-30°C ~ +75°C
Luminous Color	Red, Amber, Green, Blue	Red, Amber, Green, Blue, White	Red, Amber	Red, Amber, Green, Blue
Light Pattern	Motorized rotation	Flashing	Triple flash	Flashing
Flashes per Minute	105	110/140	110	400
Remarks	-	-	-	Vibration resistance 90 m/s

Beacons



Page Number	P.62	P.62
Product Name	Battery-powered Signal Beacon	Small Rotating Beacon
Series	PFH	SKH-EA
Size (mm)	Φ101	Φ100
Light Source	LED	Incandescent bulb
Conformity Standards	RoHS	CE / RoHS
IP/NEMA	IP55	IP23
Mounting Location	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright, Horizontal	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright
Ambient Temperature	-10°C ~ +50°C	-30°C ~ +80°C (Except AC specification)
Luminous Color	Red, Amber	Red, Amber, Green, Blue
Light Pattern	Flashing	Motorized rotation
Flashes per Minute	46 / 92	170
Remarks	-	-

Cube Tower



Page Number	P.63	P.64	P.65
Product Name	Rotating Signal Tower		
Series	KES	KJS	KJ
Size (mm)	□82	□82	□116
Light Source	LED	Incandescent bulb	Incandescent bulb
IP/NEMA	IP23	IP23	IP23
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Upright	Upright	Upright
Ambient Temperature	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Luminous Color	Red, Amber, Green	Red, Amber, Green, Blue	Red, Amber, Green, Blue
Light Pattern	Motorized rotation	Motorized rotation	Motorized rotation
Rotations per Minute	100	160	130
Sound Pressure (dB)	85	85	85
Number of Alarm Sounds	1	1	1

Audible Alarms and MP3 Voice Annunciators

				
Page Number	P. 67	P. 68	P. 69	P. 70
Product Name	Audible Alarm	Slim MP3 Voice Annunciator	Audible Alarm for Panel Mounting	MP3 Voice Annunciator for Panel Mounting
Series	BM	BSV / BSV-L	BD-A	BDV
Size (mm)	Φ30 (Panel hole size)	□75	□80	□80
Conformity Standards	CE*1 / RoHS	CE / RoHS / UL / FCC	CE*2 / RoHS / UL*2 / FCC*2	CE*2 / RoHS
IP/NEMA	IP30 / IP34	IP54	IP54	IP54
Mounting Location	Indoor	Indoor / Outdoor	Indoor	Indoor / Outdoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Upright, Sideways, Inverted	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright
Ambient Temperature	-10°C ~ +60°C	-10°C ~ +50°C	-20°C ~ +55°C	-10°C ~ +50°C
Sound Pressure (dB)	75/ 80 / 85 / 90	87 (Adjustable volume)	90 (Adjustable volume)	87 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	2	15 · 63 seconds / 520 seconds	32	63.5 seconds
Number of Inputs (bit/binary)	2	4 / 15	4	4 / 15
Remarks	-	-	-	-

Audible Alarms and MP3 Voice Annunciators

				
Page Number	P. 71	P. 72	P. 73	P. 74
Product Name	Audible Alarm for Panel Mounting	MP3 Voice Annunciator for Panel Mounting	Audible Alarm Horn	MP3 Voice Annunciator Horn
Series	BK	BKV	EHS	EHV
Size (mm)	□120	□120	166.5(W) × 149.5(H) × 198.2(D) (Horizontal mounting)	166.5(W) × 149.5(H) × 198.2(D) (Horizontal mounting)
Conformity Standards	CE*2 / RoHS	CE*2 / RoHS	CE*1 / RoHS*1 / UL*2 FCC*2 / KC*2	CE*1 / RoHS*1 / UL*2 FCC*2 / KC*2
IP/NEMA	IP54	IP54	IP65	IP65
Mounting Location	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Mounting Direction	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Indoor: Upright, Horizontal, Inverted; Outdoor: Upright	Upright, Sideways, Inverted	Upright, Sideways, Inverted
Ambient Temperature	-20°C ~ +50°C	-10°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Sound Pressure (dB)	95 (Adjustable volume)	95 (Adjustable volume)	110 (Adjustable volume)	Electronic sound 110: voice: 105 (Adjustable volume)
Number of Alarm Sounds or Alarm Recording Length	32	63 seconds	32	63 / 220 seconds
Number of Inputs (bit/binary)	8 / 32	5 / 31	8 / 32	8 / 63
Output	-	-	-	-
Remarks	-	-	-	-

* 1 24V AC / DC only * 2 12-24V DC only

Audible Alarms and MP3 Voice Annunciators



Page Number

P.75

Product Name

MP3 File Playback Circuit Board

Series

FV-127JP

Size (mm)

144(W) ×100(D)

Light Source

-

Conformity Standards

RoHS

IP/NEMA

-

Mounting Location

-

Mounting Direction

-

Ambient Temperature

-10°C ~ +50°C

Luminous Color

-

Light Pattern

-

Modularity of LED Unit

-

Flashes per Minute

-

Sound Pressure (dB)

Adjustable volume

Number of Alarm Sounds or Alarm Recording Length

8 / 240 min

Number of Inputs (bit/binary)

7 / 127

Remarks

4W

Hybrid Signaling Devices



P.77

Signal Tower with Horn

LKEH-FE

Φ100

LED

CE / RoHS / UL

IP53

Indoor / Outdoor

Upright

-10°C ~ +50°C

Red, Amber, Green, Blue, White

Continuous on / Blinking

✓

60

105 (Adjustable volume)

32

8 / 32

-



P.77

Signal Tower with MP3 Voice Annunciator Horn

LKEH-FV

Φ100

LED

CE / RoHS / UL

IP53

Indoor / Outdoor

Upright

-10°C ~ +50°C

Red, Amber, Green, Blue, White

Continuous on / Blinking

✓

60

105 (Adjustable volume)

63 seconds

5 / 31

-



P.79

Rotating Beacon with Audible Alarm Horn

RT-A

Φ162

Incandescent bulb

-

IP23

Indoor / Outdoor

Upright

-20°C ~ +50°C

Red, Amber, Green, Blue

Motorized rotation

-

115 / 105 / 95

105 (Adjustable volume)

32

8 / 32

-

Hybrid Signaling Devices



Page Number

P.80

Product Name

Rotating Beacon with MP3 Voice Annunciator Horn

Series

RT-VF

Size (mm)

Φ162

Light Source

Incandescent bulb

Conformity Standards

-

IP/NEMA

IP23

Mounting Location

Indoor / Outdoor

Mounting Direction

Upright

Ambient Temperature

-10°C ~ +50°C

Luminous Color

Red, Amber, Green, Blue

Light Pattern

Motorized rotation

Rotations per Minute

115 / 105 / 95

Sound Pressure (dB)

105 (Adjustable volume)

Number of Alarm Sounds or Alarm Recording Length

63 seconds

Number of Inputs (bit/binary)

4 / 15

Remarks

-



P.81

Rotating Signal Tower

KJT

□116

Incandescent bulb

-

IP23

Indoor / Outdoor

Upright

-20°C ~ +45°C

Red, Amber, Green, Blue

Motorized rotation

120

90 (Adjustable volume)

32 types

8 / 32

-



P.82

Rotating Beacon with Audible Alarm

RFT

Φ100

LED

CE / RoHS

IP54

Indoor / Outdoor

Indoor: Upright, Horizontal, Inverted;
Outdoor: Upright

-10°C ~ +50°C

Red, Amber, Green, Blue

Motorized rotation

115

90 (Adjustable volume)

32 types

8 / 32

-



P.83

Rotating Beacon with MP3 Voice Annunciator

RFV

Φ100

LED

CE / RoHS

IP54

Indoor / Outdoor

Indoor: Upright, Horizontal, Inverted;
Outdoor: Upright

-10°C ~ +50°C

Red, Amber, Green, Blue

Motorized rotation

115

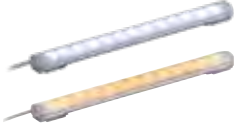
95 (Adjustable volume)

63.5 seconds

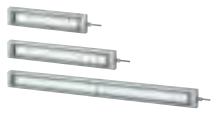
4 / 15

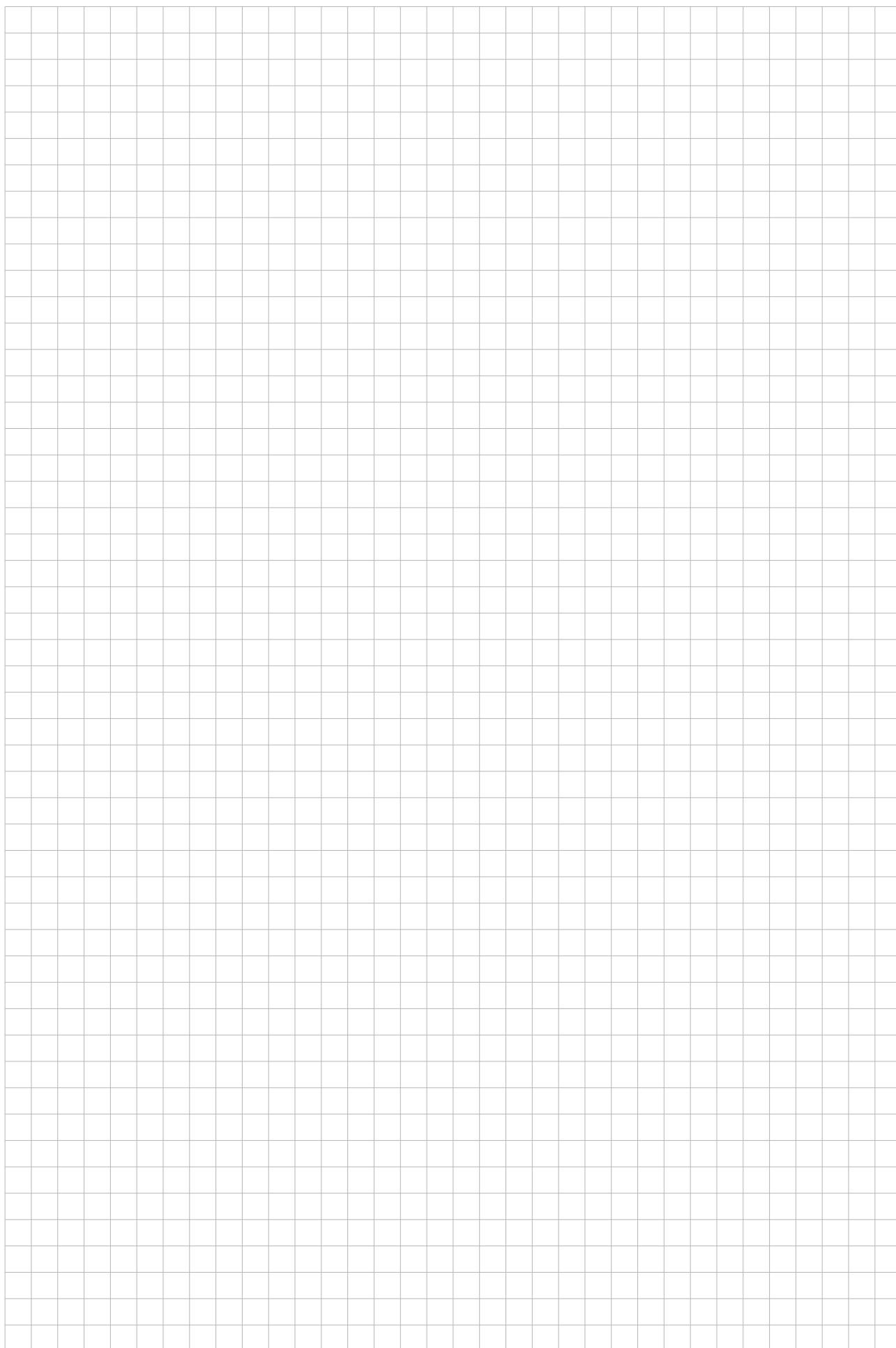
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LED Illumination

				
Page Number	P.85	P.86	P.87	P.88
Product Name	LED Work Light	LED Work Light	LED Work Light	LED Work Light
Series	CWF	CLA-A	CWA	CLK / CLK-A
Size (mm)	300 / 600 / 900	100 / 200 / 300 / 600 / 900 / 1200	300 / 600 / 900	200 / 300 / 600
Conformity Standards	CE / RoHS / UL / FCC	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS / UL
IP/NEMA	IP20	IP66 / IP67 / IP69K	IP65	IP66G / IP67G / IP69K
Mounting Location	Indoor	Indoor	Indoor	Indoor
Mounting Direction	All	All	All	All
Ambient Temperature	-20°C ~ +60°C	-40°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C
Luminous Color	Daylight	Daylight / Amber	Daylight	Daylight / Natural white
Remarks	-	-	-	-

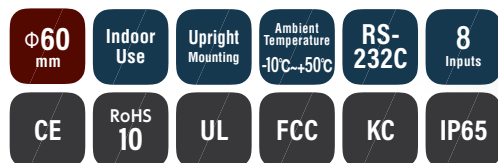
LED Illumination

			
Page Number	P.90	P.91	P.92
Product Name	LED Work Light	LED Work Light	LED Work Light
Series	CWK	CLN-A	CLE-24
Size (mm)	200 / 300 / 600	□85	Φ82
Conformity Standards	CE / RoHS / UL	CE / RoHS / UL	CE / RoHS
IP/NEMA	IP66G / IP67G	IP66G / IP67G / IP69K	IP65F
Mounting Location	Indoor	Indoor	Indoor / Outdoor
Mounting Direction	All	All	All
Ambient Temperature	-10°C ~ +50°C	-40°C ~ +60°C	-25°C ~ +60°C
Luminous Color	Daylight	Daylight	-
Remarks	-	-	-



WD PRO

New



WD PRO Transmitter

WD PRO
Contact Input - Serial
Communication Base Unit

Model Number Configuration

WDT-6LR-Z2-PRO

T=Transmitter ①

① Size
6 = Φ60 mm

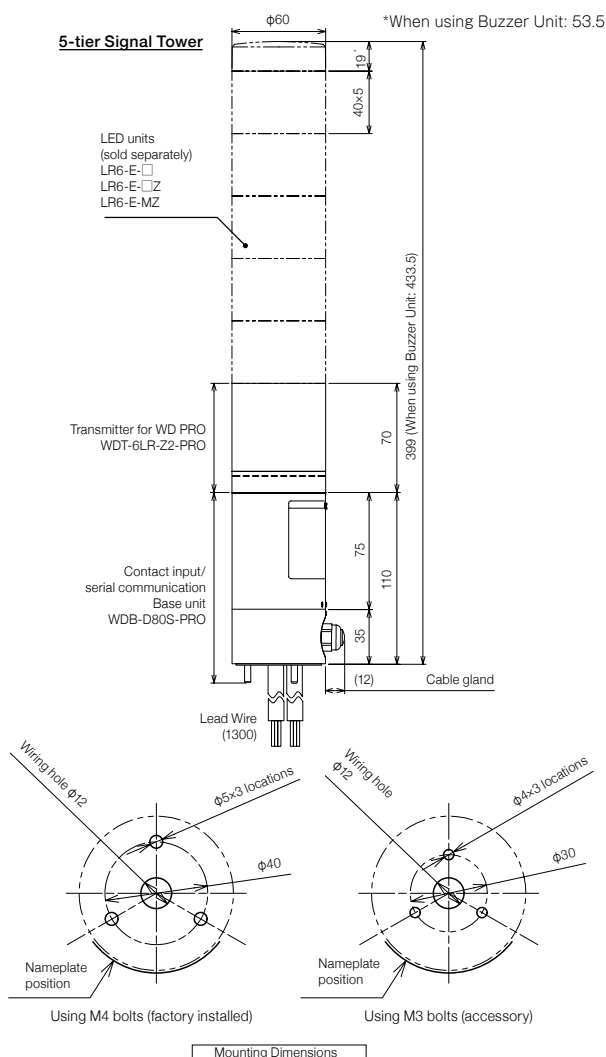
WDB-D80S-PRO

B=Base Unit ① ② ③ ④

① Method ② External contact input points ③ External contact output points
D = Digital 8 = 8 points 0 = None

④ Communication Method
S = Serial communication

Dimensions (mm)



Product List

Model Number	Rated Voltage	Type	Power Consumption	Mass
WDB-D80S-PRO	24V DC	Base Unit	2.64W	0.3kg
WDT-6LR-Z2-PRO	24V DC	Transmitter	2.7W	0.09kg

Available Countries / Regions

Japan / U.S. / Europe / China / Korea / Taiwan / Thailand / Indonesia / Mexico

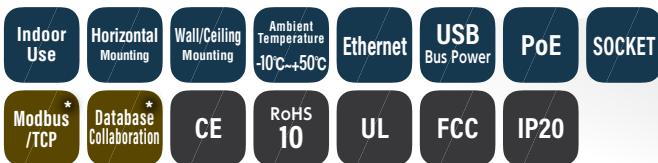
Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Serial cable	WDX-SC01
LED Unit	LR6-E-R/Y/G/B/C
LED Unit (clear Lens)	LR6-E-RZ/YZ/GZ/BZ
LED Unit (multi-color)	LR6-E-MZ
Buzzer Unit	LR6-BW
Upper Pole Bracket	SZP-004W
Pole	POLE-100/300/800A21+O0109
Pole Mount Bracket	SZ-016A
Pole Mount Bracket	SZ-010
Wall Mount Bracket	SZK-002W
Wall Mount Bracket	SZK-003W
Wall Mount Bracket	SZK-001U

WDR-Z2-PRO

New



* Functions not available for Lite version models.



WD System Setup Software



WD PRO Receiver

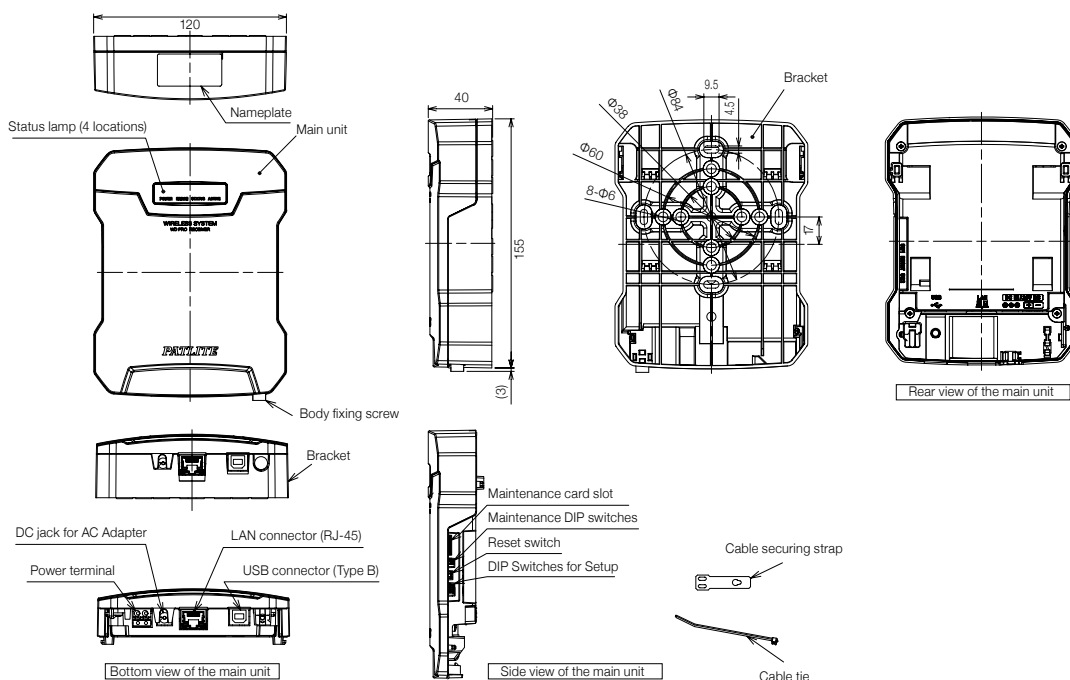
Model Number Configuration

WDR-LE-Z2-PRO-L

①

① Software
None = Standard
L = Lite version

Dimensions (mm)



Product List

Model Number	Rated Voltage	AC Adapter	Software Specification	Power Consumption	Mass
WDR-LE-Z2-PRO	24V DC	None	Standard	4.5W	0.3kg
WDR-LE-Z2-PRO-L			Lite (no web setup tool)		

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
System operation software*	WDS-WIN01
Global AC Adapter	ADP-001

* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

Available Countries / Regions

Japan, United States, Canada, Europe, China, Thailand, Vietnam, Korea, Taiwan, Philippines, Singapore, Malaysia, Indonesia, Mexico (as of April 2021)

* Do not use outside of supported countries and regions. Failure to do so may come into conflict with the law.

WD-Z2



WD System Setup Software



*1. WDR-L(E)-Z2 excluded

*2. WDR-L (E)-Z2: IP20

Compatible Signal Tower Series



Transmitter for LE Series



Transmitter for LME Series



Transmitter for LR4 Series



Transmitter for LR5 Series



Transmitter for LR6 Series

Model Number Configuration

WDT-6LR-Z2

①

① Size · Compatible Signal Tower Series

4LR = Φ40 · LR4 Series

5LR = Φ50 · LR5 Series

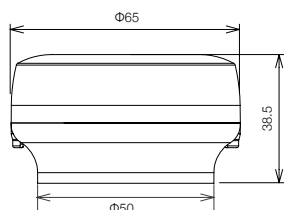
6LR = Φ60 · LR6 Series

5E = Φ50 · LE Series

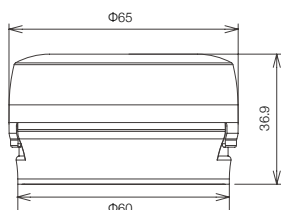
6M = Φ60 · LME Series

Dimensions (mm)

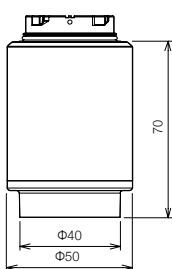
● WDT-5E-Z2



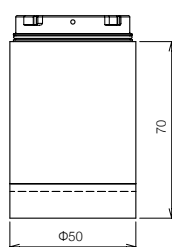
● WDT-6M-Z2



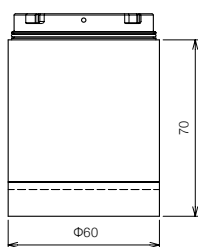
● WDT-4LR-Z2



● WDT-5LR-Z2



● WDT-6LR-Z2



Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
System operation software*	WDS-WIN01
Global AC Adapter	ADP-001
Setup Kit (Φ40mm)	WDX-4LRB
Setup Kit (Φ50mm)	WDX-5LRB
Setup Kit (Φ60mm)	WDX-6LRB

* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

Available Countries / Regions

WDT-5E / 6M-Z2	WDT-4LR / 5LR / 6LR-Z2
Japan / U.S. / Europe / China / Taiwan / Thailand / Philippines / Vietnam	Japan / U.S. / Europe / China / Korea / Taiwan / Thailand / Indonesia / Philippines / Vietnam / Mexico / Canada / Malaysia / Singapore

Product List

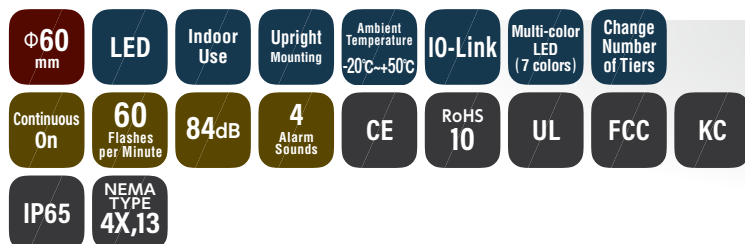
Model Number	Rated Voltage	Type	Size (mm)	Compatible Signal Tower Series	Power Consumption	Mass
WDT-5E-Z2	24V DC	Transmitter	Φ50	LE	0.8W	0.052kg
WDT-6M-Z2	24V DC	Transmitter	Φ60	LME	0.8W	0.052kg
WDT-4LR-Z2	24V DC	Transmitter	Φ40	LR4	1.4W	0.070kg
WDT-5LR-Z2	24V DC	Transmitter	Φ50	LR5	1.4W	0.074kg
WDT-6LR-Z2	24V DC	Transmitter	Φ60	LR6	1.4W	0.085kg

LR6-IL

New

WD Compatible
(pg. 13)

* LED unit up to 3 tiers



Pre-assembled

Body Unit

Model Number Configuration

LR6-3ILWMNW-RYG

① ② ③ ④ ⑤ ⑥

① Number of tiers
None = Body Unit only
3 = 3 tiers

② Extended function
IL = IO-Link

③ Mounting/Wiring spec
WM = Direct mounting/M12 connector

④ Buzzer unit*
N = None

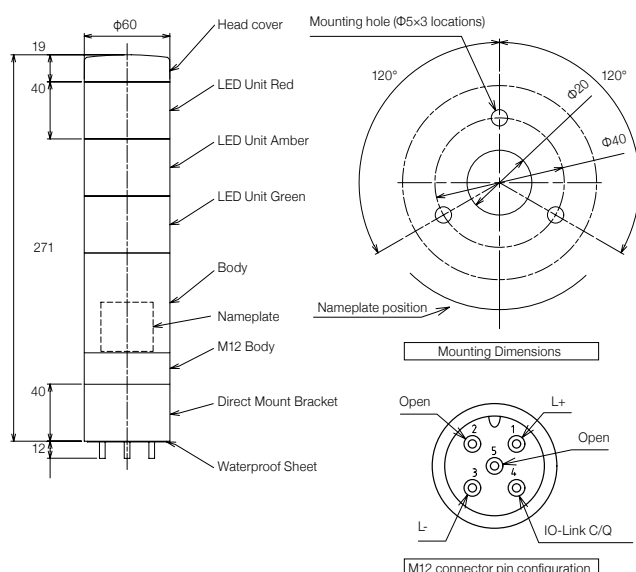
* For Buzzer, use
Buzzer Unit LR6-BW

⑤ Body Color
W = Off-white

⑥ Luminous Color
None = Body Unit only

R = Red
Y = Amber
G = Green * From top to bottom

Dimensions (mm)



Specification

Communication Specification	IO-Link
Alarm Sound	Select from 4 patterns when using LR6-BW
Volume control	Reduce sound with DIP-switch when using LR6-BW

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
LED Unit	LR6-E-R/Y/G/B/C
LED Unit (clear lens)	LR6-E-RZ/YZ/GZ/BZ
Multi-color LED Unit	LR6-E-MZ
Buzzer Unit	LR6-BW
Upper Pole Bracket	SZP-004W
Pole	POLE-100/300/800A21+O0109
Mounting Bracket	SZ-016A
Mounting Bracket	SZ-010
Mounting Bracket	SZW-002W
Wall Mount Bracket	SZK-001U
Wall Mount Bracket	SZK-003W

Product List

Model Number	Number of Tiers	Rated Voltage	Audible Alarm	Luminous Color	Power Consumption	Mass
LR6-3ILWMNW-RYG	3	24V DC	None	Red, Amber & Green	5W	0.38kg
LR6-ILWMNW	0 (body unit)			None		0.2kg

IO-Link Signal Beacon

NE-IL

New



Φ56 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -25℃~+60℃	IO-Link	Multi-color LED (7 colors)
Continuous On	Blinking	Flash	Pulse	88dB	8 Alarm Sounds	Touch Sensor
CE	RoHS 10	UL	FCC	ICES	KC	IP65
						NEMA TYPE 4X,13

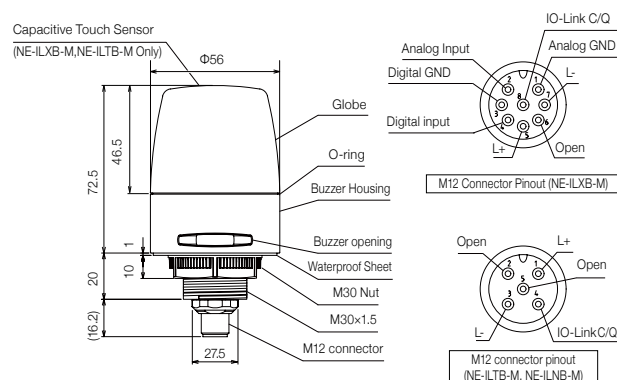
Model Number Configuration

NE-ILXB-M

① ② ③

- | | | |
|--|------------------------|--------------------------------|
| ① Touch Sensor
T = With touch sensor
N = No touch sensor
X = With touch sensor and digital / analog input | ② Buzzer
B = Buzzer | ③ LED Color
M = Multi Color |
|--|------------------------|--------------------------------|

Dimensions (mm)



Product List

Model Number	Rated Voltage	Touch Sensor	Digital / Analog Input	Audible Alarm	Luminous Color	Power Consumption	Mass
NE-ILNB-M	24V DC	None	None	Yes	Multi-color (Red, Amber, Green, Blue, White, Purple, Cyan)	2.4W	0.10kg
NE-ILTB-M		Yes	None				
NE-ILXB-M		Yes	Yes				

Specification

Communication Specification	IO-Link
Alarm Sound	Select from 8 patterns
Volume Control	Control with IO-Link

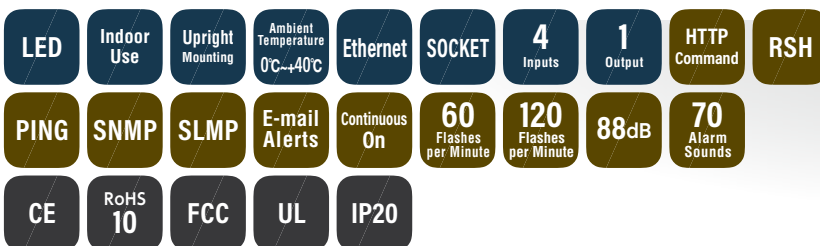
Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Bracket	NE-001D
Wall Mount Bracket	NE-002D

Network Monitor MP3 Voice Annunciator Signal Tower

NH-FV



Model Number Configuration

NHL-3FV2N-RYG

① Size ② Tiers ③ AC Adapter ④ Luminous Color

① Size P = Φ40 L = Φ60	② Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers 5 = 5 tiers	③ AC Adapter None = AC Adapter included W*1 = AC Adapter and plug adapters included 	④ Luminous Color 1 = 1 tier: R / Y / G 2 = 2 tiers: RY / RG 3 = 3 tiers: RYG 4 = 4 tiers: RYGB 5 = 5 tiers: RYGBG
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N*1 = AC Adapter not included

*1. Available for 3-tier models only

Specification

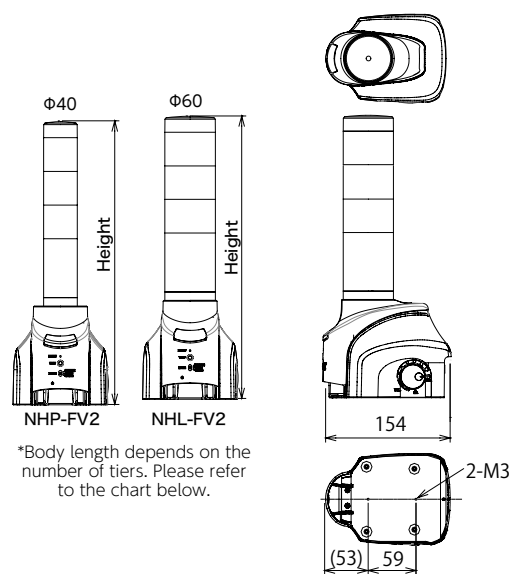
Protocols (Physical layer ~Application layer)	Physical layer: Ethernet (IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation, full-duplex/ half-duplex) Data link layer: CSMA/CD Network layer: IP/ICMP/ARP Transport layer: TCP UDP Application layer: HTTP/SMTP/SNMP/RSH/NTP/POP/ DNS/SOCKET/DHCP/SLMP
Alarm Sound	4 patterns (short intermittent beeps / slow intermittent beeps / 2 short intermittent beeps / continuous beep)
Playback Mode	Priority playback/Memory playback after input
Volume Control	Volume adjustment knob / Analog volume settings from device setup browser

Optional Parts

For details refer to P. 93 to P. 98

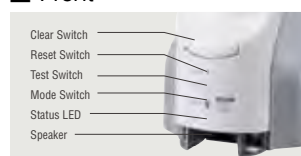
Product Name	Model Number
Wall Mount Bracket	NH-WST2
Tint Film	NHL-TF (for NHL-FV2/FB2 types) NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)

Dimensions (mm)

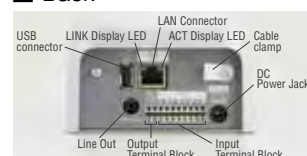


*Body length depends on the number of tiers. Please refer to the chart below.

Front



Back



NHP-□ FV2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	256	296	336	376	416

NHL-□ FV2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	256	296	336	376	416

Product List

Model Number	Size (mm)	Number of Tiers	Rated Voltage	Message Recording	AC Adapter	Luminous Color	Power Consumption	Mass *2
NHP-3FV2-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.02 kg
NHP-3FV2W-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.02 kg
NHP-3FV2N-RYG	Φ40	3	100-240V AC *1	Preset sounds + User programmable capability	None	Red, Amber, Green	6.5W	1.02 kg
NHL-3FV2-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.15 kg
NHL-3FV2W-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	Yes	Red, Amber, Green	6.5W	1.15 kg
NHL-3FV2N-RYG	Φ60	3	100-240V AC *1	Preset sounds + User programmable capability	None	Red, Amber & Green	6.5W	1.15 kg

*1. Using AC adapter *2. Excluding AC adapter

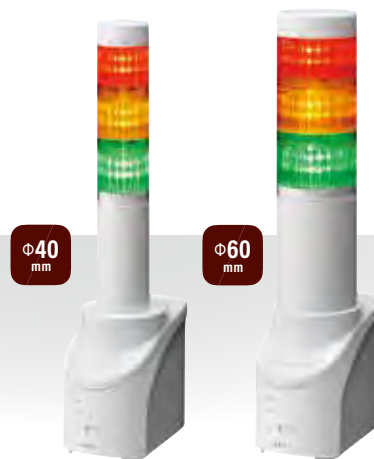
Network Monitor Signal Tower

NH-FB

LED Indoor Use Upright Mounting Ambient Temperature 0°C~+40°C Ethernet SOCKET HTTP Command RSH PING SNMP

SLMP E-mail Alerts Continuous On 60 Flashes per Minute 120 Flashes per Minute 80dB 4 Alarm Sounds

CE RoHS 10 FCC UL IP20



Model Number Configuration

NHL-3FB2N-RYG

① ② ③ ④

① Size ② Tiers ③ AC Adapter ④ LED Unit Colors

P = Φ40 1 = 1 tier None = AC Adapter included 1 = 1 tier: R / Y / G

L = Φ60 2 = 2 tiers W*1 = AC Adapter and plug adapters included 2 = 2 tiers: RY / RG

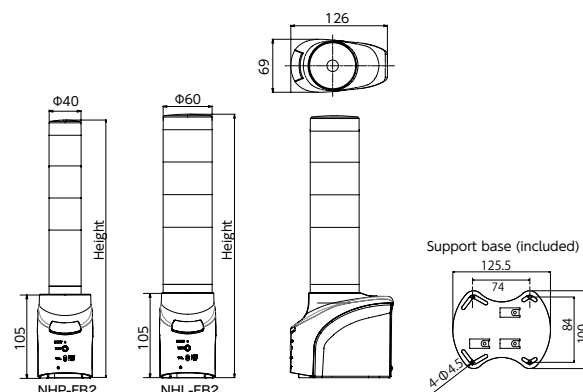
3 = 3 tiers 3 = 3 tiers: RYG

4 = 4 tiers 4 = 4 tiers: RYGB

5 = 5 tiers 5 = 5 tiers: RYGBG

N*1 = AC Adapter not included *1. Three tiers only.

Dimensions (mm)



NHP-□ FB2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	244	284	324	364	404

NHL-□ FB2 type main body height

Number of Tiers	1	2	3	4	5
Body Height (mm)	244	284	324	364	404

Specification

Protocols (Physical layer ~Application layer)	Physical layer: Ethernet (IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation, full-duplex/half-duplex) Data link layer: CSMA/CD Network layer: IP/ICMP/ARP Transport layer: TCP/UDP Application layer: HTTP/SMTP/SNMP/RSH/NTP/POP/DNS/SOCKET/DHCP/SLMP
Alarm Sound	4 patterns (short intermittent beeps / slow intermittent beeps / 2 short intermittent beeps / continuous beep)
Volume Control	Adjust with DIP switch in front

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	NH-WST
Partition Mounting Bracket	NH-PST
Tint Film	NHL-TF (for NHL-FV2/FB2 types) NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)

Product List

Model Number	Size (mm)	Number of Tiers	Rated Voltage	AC Adapter	Luminous Color	Power Consumption	Mass *2
NHP-3FB2-RYG	Φ40	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.65 kg
NHP-3FB2W-RYG	Φ40	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.65 kg
NHP-3FB2N-RYG	Φ40	3	100-240V AC *1	None	Red, Amber, Green	7.0W	0.65 kg
NHL-3FB2-RYG	Φ60	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.78 kg
NHL-3FB2W-RYG	Φ60	3	100-240V AC *1	Yes	Red, Amber, Green	7.0W	0.78 kg
NHL-3FB2N-RYG	Φ60	3	100-240V AC *1	None	Red, Amber, Green	7.0W	0.78 kg

*1. Using AC adapter
*2. Excluding AC adapter

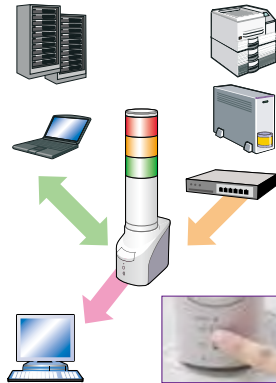
Event Monitoring

PING Monitoring

Each NH Tower can PING up to 24 devices. When a PING response fails, visual, audible, and/or email alerts are sent to administrators. These alerts can be customized based on the severity of the issue.

Application Monitoring

The NH Tower can monitor the performance of standard software and web applications, and notify administrators instantly of any errors.



SNMP v1 · v2c

The NH Towers can send, receive, and analyze TRAP information. Register up to 16 groups (4 nodes per group).

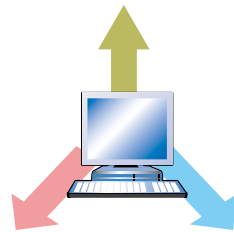
Self Diagnosis Function

With the test switch located on the front of the NH Tower, users can test various functions without having to login to the device through the network.

Supported Protocols

HTTP Commands

The NH accepts HTTP commands sent through a web browser or PLC to trigger NH Series visual and audible alert functions.



RSH Command

RSH can be used to automatically run commands based on event information from network management software and various monitoring tools on the NH Series to trigger visual and audible alert functions.

SOCKET Communication

Compatible with PHN command

Control digital output with a 2-byte command

* NH-FV Series does not support sound playback using PHN compatible commands.

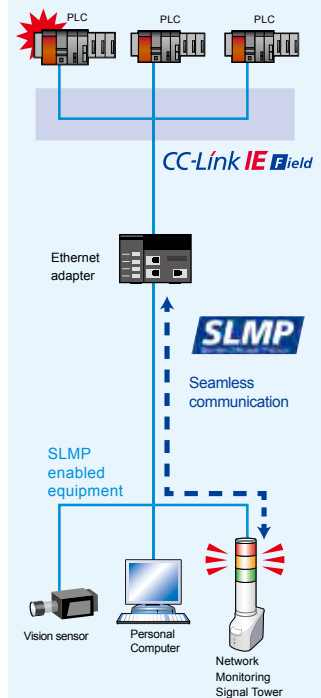
Compatible with PNS command

The NH accepts an application-level protocol called PNS (developed by PATLITE) to establish connection between client and server and to control visual and audible alert functions.



SLMP, MC protocols supported. You can connect the NH to a CC-Link IE field network.

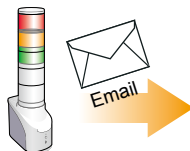
The NH regularly sends commands to PLCs in the CC-Link IE field network, and can notify you of retrieved data by light, sound, email, and/or trap.



Email Transmission

Send email reports of various network events to up to 8 addresses.

The subject and body can be customized and can be automated to be sent in a variety of situations

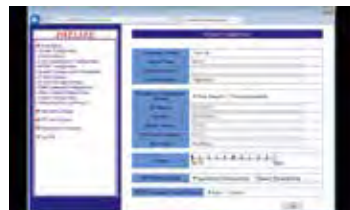


SNMP TRAP Transmission

Send emails to a maximum of 8 addresses.

Device Setup Browser

The settings of the NH can be easily configured on your PC via the setup browser. This also enables remote firmware updates.



PNS Manager

This software configures PNS protocol settings. Confirm and change settings of each NH unit while multiple units are installed on the network.



Supports DHCP

Dynamic Host Configuration Protocol (DHCP) is a network management client/server protocol that automatically assigns an IP address to each device on a network so they can communicate with other IP networks.

Supported operating systems:

Windows® XP/Windows Vista®/Windows® 7/Windows® 8/Windows® 8.1/Windows® 10

LAN-Environment:

The 10BASE-T/100BASE-TX UDP is running.

Software: NET Framework 3.5 or later

Compatible models: NH-FB Series, NH-FV Series, NBM-D88

USB Signal Tower

LR6-USB

Φ60 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -20°C~+50°C	USB Bus Power	Multi-color LED (7 colors)
Continuous On	4 Flash Patterns	60 Flashes per Minute	120 Flashes per Minute	80dB	4 Alarm Sounds	DLL
CE	RoHS 10	UL	FCC	KC	ICES	IP65



Model Number Configuration

LR6- USBW-RYG

①

②

③

- | | | |
|---|--|---|
| ① Number of Tiers
None = Body Unit only
3 = 3 tiers | ② Body Color
W = Off-white
K = Black | ③ Luminous Color
None = Body Unit only
RYG = Red / Amber / Green from top to bottom |
|---|--|---|

Optional Parts

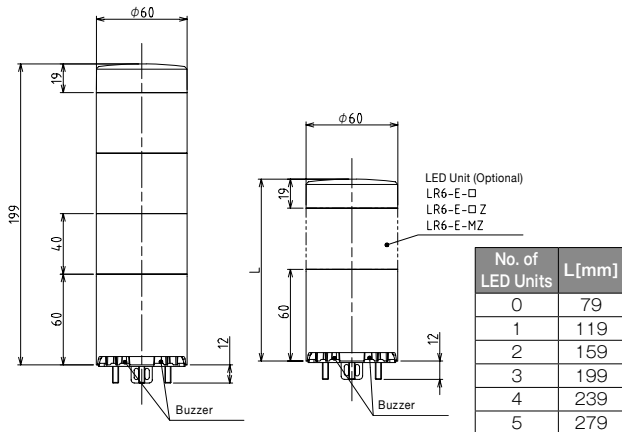
For details refer to P. 93 to P. 98

Product Name	Model Number
Upper Pole Bracket	SZP-004W
Mounting Bracket	SZW-002W
Wall Mount Bracket	SZK-003W
Pole Mounting Bracket	SZ-016A
Pole Mounting Bracket	SZ-010
Pole (100mm)	POLE-100A21+O0109
Pole (300mm)	POLE-300A21+O0109
Pole (800mm)	POLE-800A21+O0109

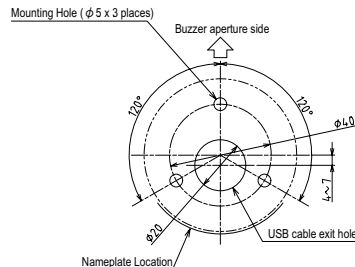
Dimensions (mm)

LR6-3USBW-RYG

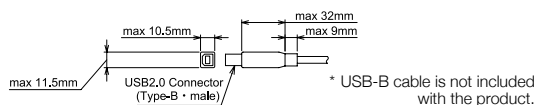
LR6-USBW



Mounting dimensions



Compatible USB cable dimensions



Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
LR6-3USBW-RYG / LR6-3USBK-RYG	3	5V DC (USB-bus power)	Red, Amber & Green	2.5W	0.32kg
LR6-USBW / LR6-USBK	-		-		0.14kg

Specification

OS compatible with software library (DLLs)	Windows® 7, Windows® 8 (excluding RT), Windows® 8.1 (excluding Windows® 8.1RT), Windows® 10
Alarm Sounds	Select from 4 patterns and 13 pitches
Volume Control	About-10 dB when the internal switch is used.

Supports Both DLL and Protocol Control

- Custom programming made easy with our free software library (.DLL).
- Open architecture makes it possible to control the device with other operating systems such as Linux.
- Supports HID class. No exclusive drivers necessary.

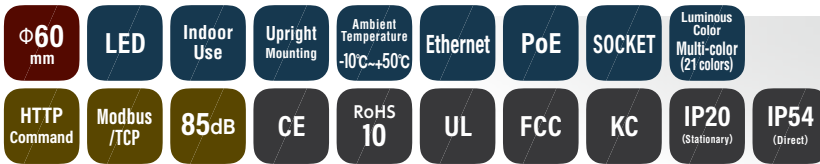
Demo Software



Confirm actual operation of the LED unit and buzzer. For details, please see our website.

Multi-color LED Signal Tower

LA6-POE



LA6-5DTNWB-POE
(Direct Mount Type)



LA6-5DSNWB-POE
(Stationary Type)

Model Number Configuration

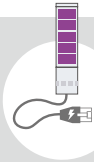
LA6-5DTNWB-POE

① ② ③ ④ ⑤

- ① Rated Voltage 24V DC
② Mounting TN = Direct mounting SN = Stationary
③ Body Color W = Off-white
④ Flashing/Alarms B = With flashing and alarms
⑤ Extended Function PoE-Compatible

What is PoE?

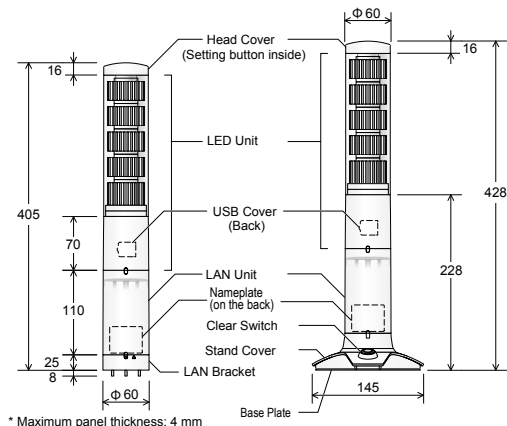
Stands for "Power of Ethernet" and describes a system where both data and power are supplied to a machine using a single Ethernet cable.



Dimensions (mm)

<LA6-5DTNWB-POE>

<LA6-5DSNWB-POE>



* Maximum panel thickness: 4 mm

Product List

Model Number	Number of Tiers	Rated Voltage	Model Number	Power Consumption	Mass
LA6-5DTNWB-POE	5	24V DC 48V DC (PoE)	Direct mount	12.9W *	0.63kg
LA6-5DSNWB-POE			Stationary	12.9W *	0.78kg

* 24 V DC input (12.5 W for PoE input)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Stationary Bracket	SZW-060W
Wall Mount Bracket	SZK-003W
Wall Mount Bracket	NH-WST2
Pole Mounting Bracket	SZ-010
Pole Mounting Bracket	SZ-016A
Upper Pole Bracket (pole waterproof ring/screw included)	SZP-004W
Pole (100mm)	POLE-100A21+O0109
Pole (300mm)	POLE-300A21+O0109
Pole (800mm)	POLE-800A21+O0109

Specification

Supported Transistors (NPN/PNP)	NPN / PNP
Communication Specifications (Physical to Application)	Physical layer: 10BASE-T/100BASE-TX(Auto-MDI/MDIX support) Data link layer: CSMA/CD network layer: IP, ARP, ICMP Transport layer: TCP, UDP Application layer: HTTP/DHCP/Modbus/TCP/Socket (corresponds to PHN, PNS commands)
Alarm Sound	Select from 11 patterns
Volume Control	Multi-function button / Device Setup Browser

Communication Protocols

HTTP Commands

The LA6-POE accepts HTTP commands sent through a web browser or PLC to trigger visual and audible alert functions.

■ Detailed Motion Control (The color of each tier can be controlled.)

Execute command

(Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Alarm: Pattern 11)

<http://192.168.10.1/api/control?color=46091&buzzer=11>

■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command (Run smart mode group No.10)

<http://192.168.10.1/api/control?smart=10>

Network Camera

NVR

SOCKET Communication

PNS Commands supported By using PNS commands, you can control all notification patterns.

■ Detailed Motion Control (Control specific LED colors for tiers 1 to 5)

Execute command

(Tier 1: Green, Tier 2: Blue, Tier 3: Off, Tier 4: White, Tier 5: Red, Flashing off, Alarm: Pattern 11)

41H, 42H, 44H, 00H, 00H, 07H, 04H, 06H, 00H, 09H, 01H, 00H, 0BH

■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command (Run smart mode group No.10)

41H, 42H, 54H, 00H, 00H, 01H, 0AH

PNS Command Control with 2-byte command.

Execute command

(Tier 1: Continuous ON, Tier 2: Flashing, Tier 3: Off, and Alarm: Pattern 2)

57H, 51H

* Control the Continuous ON, Flashing, and 2 Alarms on tiers 1~3.

Modbus/TCP

The LA6-POE accepts Modbus TCP/UDP commands from a PLC to control visual and audible alert functions.

■ Smart Mode Control (Configure Smart Mode settings via the EDITOR software.)

Execute command

(When operating the Signal Tower in Smart Mode group number 15.)

00H, 00H, 00H, 00H, 00H, 06H, 01H, 06H, 00H, 06H, 01H, 0FH

PLC

Interface Converter with Signal Tower

PHE

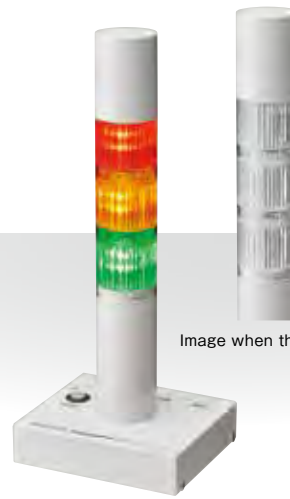
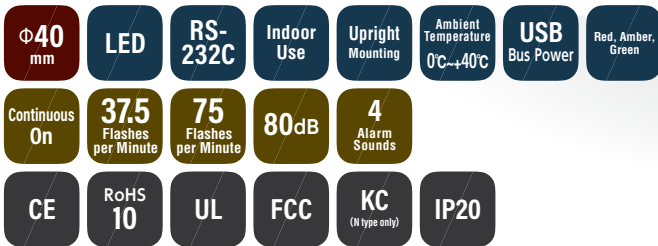
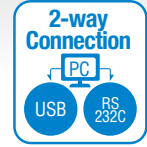


Image when the light is off



Model Number Configuration

PHE-3FB3N-RYG

①

① AC Adapter
N = AC Adapter not included

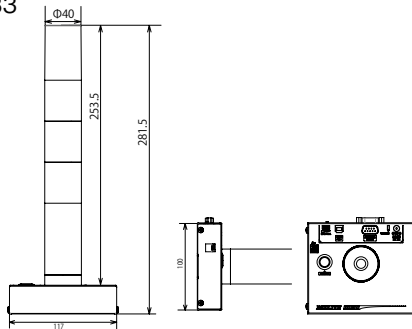
Optional Parts

For details refer to P. 93 to P. 98

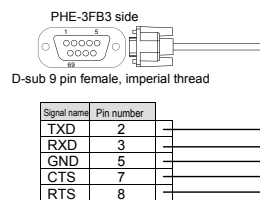
Product Name	PNS Command
Tint Film	NHP-TF (for NHP-FV2/FB2 and PHE-3FB3 types)
AC Adapter	ADP-001

Dimensions (mm)

■ PHE-3FB3

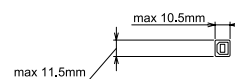


■ Routing to RS-232C Ports



Note: RS-232C cable not included.

■ Compatible USB cable dimensions



Note: USB cables not included.

Product List

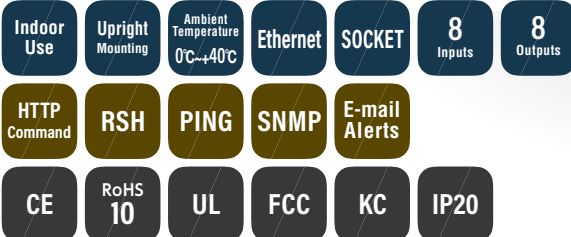
Model Number	Number of Tiers	Rated Voltage	AC Adapter	Luminous Color	Power Consumption	Mass
PHE-3FB3N-RYG	3	24V DC, 5V DC (USB-bus power)	None	Red, Amber, Green, with clear lens	4.4W	0.545kg

Specification

USB driver compatible OS	Windows® 7 (32bit,64bit), Windows® 8 (32bit,64bit), Windows® 8.1 (32bit,64bit), Windows® 10 (32bit,64bit), Windows Server® 2008 R2, Windows Server® 2012, Windows Server® 2012 R2
Alarm Sound	4 patterns
Volume Control	Sound can be reduced by using the supplied sound reduction sheet. DIP switch (-10 dB) in the buzzer unit

Interface Converter

NBM



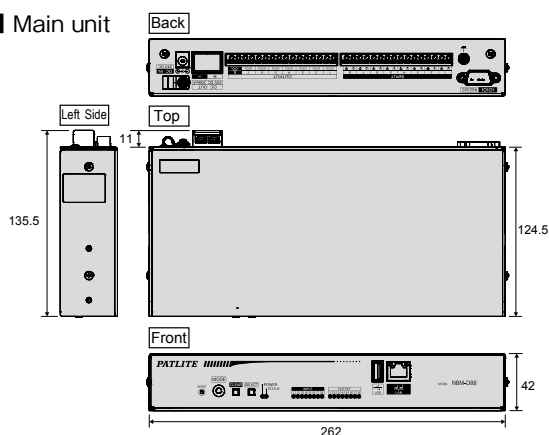
* AC Adapter not included.

Product List

Model Number	Rated Voltage	AC Adapter	Power Consumption	Mass
NBM-D88NN	24V DC	None	14W	1.15kg

Dimensions (mm)

Main unit



Specification

Supported Transistors	NPN
Communication spec (physical layer to application layer)	Physical layer : Ethernet(IEEE802.3 compliant) 10BASE-T/100BASE-TX (auto-negotiation)
	Connector shape : RJ-45 8-pole
	Data link layer : CSMA/CD Method
	Network layer : IP / ARP / ICMP
	Transport layer : TCP UDP
	Application layer : HTTP, NTP, Socket (PHN/PNS) SMTP, SNMP (V1, V2C), DHCP, DNS, POP3, RSH

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Server Rack Mounting Bracket	NBM-ANG
AC Adapter	ADP-001

Digital Input Condition Setup Function

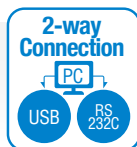
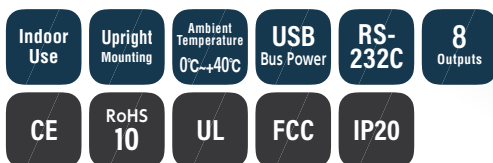
Duration condition Trigger the output with a timer.**AND condition** Trigger the output with boolean logic.**Count Condition** Trigger the output with repeated inputs.

By setting the input detection method, the NBM can be used in a variety of environments and applications. Set a temperature alarm with a temperature sensor, Set an area notification with an infrared sensor, etc.

Operations that can be performed using the condition setting function

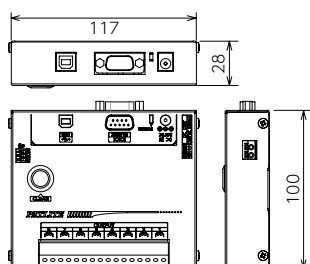
Digital output control	Turning Digital Outputs ON or OFF
Send RSH command	Sending a remote shell command to a device at the specified address
Send socket	Sending PHN/PNS Commands to Devices at the Specified Addresses
Trap sending	Sending SNMP Traps to Devices with Configured Addresses
Send mail	Sending Mail to a Specified Mail Server

PHC

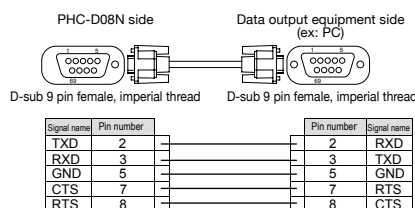


Dimensions (mm)

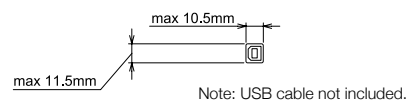
■ PHC-D08N



■ Wiring for RS-232C port



■ Compatible USB cable dimensions



Product List

Model Name	Rated Voltage	AC Adapter	Power Consumption	Mass
PHC-D08N	24V DC, 5V DC (USB-bus power)	None*	14.5W	0.37kg

* Power output only available with AC adapter

Specification

USB driver compatible OS	Windows® 7 (32bit,64bit)、Windows® 8 (32bit,64bit)、Windows® 8.1 (32bit,64bit)、Windows® 10 (32bit,64bit)、Windows Server® 2008 R2、Windows Server® 2012、Windows Server® 2012 R2
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Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
AC Adapter	ADP-001

Product List

Model Number	Number of Tiers	Rated Voltage	Mounting Type	Wiring	Function	Alarm	Body Color	Luminous Color	Power Consumption	Mass
LA6-3DWJWB-RYG	3	24V DC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DWJWN-RYG	3	24V DC	Direct	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.40kg
LA6-3DWJUB-RYG	3	24V DC	Direct	Cable	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DWJUN-RYG	3	24V DC	Direct	Cable	Continuous On	None	Silver	Multi-color (21 colors)	4.5W	0.45kg
LA6-3DTNWB-RYG	3	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	5.5W	0.48kg
LA6-3DTNWN-RYG	3	24V DC	Direct	Terminal block	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.42kg
LA6-3DTNWB-RYG	3	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	5.5W	0.48kg
LA6-3DTNUN-RYG	3	24V DC	Direct	Terminal block	Continuous On	None	Silver	Multi-color (21 colors)	4.5W	0.42kg
LA6-3DLJWB-RYG	3	24V DC	Pole with L-bracket	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	5.5W	0.98kg
LA6-3DLJWN-RYG	3	24V DC	Pole with L-bracket	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	4.5W	0.93kg
LA6-5DTNWB-RYGBC	5	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	0.59kg
LA6-5DTNWN-RYGBC	5	24V DC	Direct	Terminal block	Continuous On	None	Off-white	Multi-color (21 colors)	7W	0.53kg
LA6-5DTNWB-RYGBC	5	24V DC	Direct	Terminal block	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	8W	0.59kg
LA6-5DTNUN-RYGBC	5	24V DC	Direct	Terminal block	Continuous On	None	Silver	Multi-color (21 colors)	7W	0.53kg
LA6-5DWJWB-RYGBC	5	24V DC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	0.56kg
LA6-5DWJWN-RYGBC	5	24V DC	Direct	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	8W	0.51kg
LA6-5DWJUB-RYGBC	5	24V DC	Direct	Cable	Continuous On and flashing	Yes	Silver	Multi-color (21 colors)	8W	0.56kg
LA6-5DWJUN-RYGBC	5	24V DC	Direct	Cable	Continuous On	None	Silver	Multi-color (21 colors)	8W	0.51kg
LA6-5DLJWB-RYGBC	5	24V DC	Pole with L-bracket	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	8W	1.09kg
LA6-5DLJWN-RYGBC	5	24V DC	Pole with L-bracket	Cable	Continuous On	None	Off-white	Multi-color (21 colors)	7W	1.04kg
LA6-5AWJWB-RYGBC	5	100 - 240V AC	Direct	Cable	Continuous On and flashing	Yes	Off-white	Multi-color (21 colors)	7.5W	0.74kg

Specification

Supported Transistors	D type (24V DC): NPN / PNP A type (100-240V AC): NPN
Alarm Sound	No.1: 2400Hz peak (continuous sound) No.2: 2400Hz Pippi (0.05sec on / 0.05sec silence) No.3: 2400Hz beeping (1.5sec on / 1.5sec silence) No.4: 2400Hz beep (0.5sec on / 0.5sec silence) No.5: 3600Hz peak (continuous sound) No.6: 3600Hz Pippi (0.05sec on / 0.05sec silence) No.7: 3600Hz beeping (1.5sec on / 1.5sec silence) No.8: 3600Hz beep (0.5sec on / 0.5sec silence) No.9: 2400Hz & 3375Hz Pipipipo (0.25sec/0.25sec) No.10: 2400Hz & 3600Hz (Pipopipo) (0.25sec/0.25sec) No.11: 4000Hz & 4800Hz Peepo (0.5sec/0.5sec)
Volume Control	Four settings with a push of a button (factory default set to max.)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Mounting Assembly	SZ-70L
Pole Mounting Bracket	SZ-010
Pole Mounting Bracket	SZ-016A
Wall Mount Bracket	SZK-003W / U
Pole Upper Bracket (with Waterproof Ring and screws)	SZP-004W
Stationary Bracket	SZW-060W
Mounting Pole (100mm)	POLE-100A21+O0109
Mounting Pole (300mm)	POLE-300A21+O0109
Mounting Pole (800mm)	POLE-800A21+O0109

Signal Tower

LR



Φ40 mm	Φ50 mm	Φ60 mm	Φ70 mm	LED	Indoor Use	Upright Mounting	Ambient Temperature -20°C~+45°C (ABS & AS)	Ambient Temperature -20°C~+50°C
Red, Amber, Green, Blue, White, Multi-color, 7 colors	Change Number of Tiers	Continuous On	60 Flashes per Minute	85dB (LR4, LR5)	88dB (LR6)	90dB (LR7)	4 Alarm Sounds	
CE (Excluding M2LJ type)	RoHS 10	UL	FCC	KC (M2LJ)	IP65	IP54 (LJ Type)	NEMA TYPE 4X,13	



*When using 12V DC: 80dB

Model Number Configuration

Φ40mm
Model Code

LR4-502WJBW-RYGBCZ

Model

①

②

③

④

⑤

⑥

⑦

① Tiers

1 = 1 tier
2 = 2 tiers
3 = 3 tiers
4 = 4 tiers
5 = 5 tiers

② Rated Voltage

02 = 24V DC
M2 = 100 - 240V AC *1

③ Mounting/Wiring

WJ = Direct Mount/Cable
LJ = Pole Mount with L-bracket/Cable
PJ = Pole Mount with Circular Bracket/Cable
QJ = Pole Mount with Folding Bracket/Cable *2

④ Flashing/Buzzer

B = With Flashing/Buzzer
N = No Flashing/Buzzer

⑤ Body Color

W = Off-white
U = Silver *3

⑥ Luminous Color

R = Red
Y = Amber
G = Green
B = Blue
C = White

⑦ Lens Type

None = Colored
Z = Clear

*1 For WJ, LJ and PJ type only *2 For 24V DC and Off-white type only *3 For 24V DC type WJ, LJ and PJ type only

Φ50mm
Model Code

LR5-502WJBW-RYGBCZ

Model

①

②

③

④

⑤

⑥

⑦

① Tiers

1 = 1 tier
2 = 2 tiers
3 = 3 tiers
4 = 4 tiers
5 = 5 tiers

② Rated Voltage

01 = 12V DC
02 = 24V DC

③ Mounting/Wiring

WJ = Direct Mount/Cable
LJ = Pole Mount with L-bracket/Cable
PJ = Pole Mount with Circular Bracket/Cable

④ Flashing/Buzzer

B = With Flashing/Buzzer
N = No Flashing/Buzzer

⑤ Body Color

W = Off-white

⑥ Luminous Color

R = Red
Y = Amber
G = Green
B = Blue
C = White

⑦ Lens Type

None = Colored
Z = Clear

Φ60mm
Model Code

LR6-502WJBW-RYGBCZ

Model

①

②

③

④

⑤

⑥

⑦

① Tiers

1 = 1 tier
2 = 2 tiers
3 = 3 tiers
4 = 4 tiers
5 = 5 tiers

② Rated Voltage

02 = 24V DC
M2 = 100 - 240V AC *1

③ Mounting/Wiring

WJ = Direct Mount/Cable
LJ = Pole Mount with L-bracket/Cable
PJ = Pole Mount with Circular Bracket/Cable
QJ = Pole Mount with Folding Bracket/Cable *2
WC = Direct Mount/M12 Connector *2

④ Flashing/Buzzer

B = With Flashing/Buzzer
N = No Flashing/Buzzer

⑤ Body Color

W = Off-white
U = Silver *3

⑥ Luminous Color

R = Red
Y = Amber
G = Green
B = Blue
C = White
M = Multi Color

⑦ Lens Type

None = Colored
Z = Clear

*1 For WJ, LJ and PJ type only *2 For 24V DC and Off-white type only *3 For 24V DC type WJ, LJ and PJ type only

Φ70mm
Model Code

LR7-502WJBW-RYGBC

Model

①

②

③

④

⑤

⑥

① Tiers

1 = 1 tier
2 = 2 tiers
3 = 3 tiers
4 = 4 tiers
5 = 5 tiers

② Rated Voltage

02 = 24V DC

③ Mounting/Wiring

WJ = Direct Mount/Cable

④ Flashing/Buzzer

B = With Flashing/Buzzer
N = No Flashing/Buzzer

⑤ Body Color

W = Off-white

⑥ Luminous Color

R = Red
Y = Amber
G = Green
B = Blue
C = White

Specification

Supported Transistors	NPN/PNP (Excluding M2 type)
Alarm Sound	4 patterns (switch by DIP switch) No.1: Intermittent sound (Pipipi) No.2: Continuous sound (pee) No.3: High and low tones No.4: Sweep sound (Hune) *It is possible to sound an alarm that turns on and off in 0.5 second cycles by shorting the buzzer and flashing common lines.
Volume control	Sound can be reduced by DIP switch

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Circular Bracket	SZW-001W
Wall Mount Bracket	SZK-002W/U/K
Wall Mount Bracket	SZK-003W/U/K
Wall Mount Bracket	SZK-004W
Circular Multi-mount Bracket	SZP-001W/U/K
1/2" NPT Bracket	SZP-090U
1/2" NPT Bracket	SZP-091U

Product Description	Model Number
Mounting Bracket	SZW-002W
Circular Bracket	SZP-002U
Folding Bracket	SZQ-001W
Circular Bracket	SZP-003W/U/K
L-Bracket	SZL-001
Wall Mount Bracket	SZK-001U

Product List Pre-Assembled Models

Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR4-102WJNW(U)-R/Y/G		Φ40	1	24V DC	Direct		Red/Amber/Green		1.3W	0.205kg
LR4-202WJNW(U)-RY/RG		Φ40	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.24kg
LR4-302WJNW(U)-RYG		Φ40	3	24V DC	Direct		Red, Amber, Green		3.9W	0.275kg
LR4-302WJNW-RYGZ		Φ40	3	24V DC	Direct		Red, Amber, Green	•	3.9W	0.275kg
LR4-402WJNW(U)-RYGB		Φ40	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.31kg
LR4-502WJNW(U)-RYGBC		Φ40	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.345kg
LR4-102WJBW(U)-R/Y/G		Φ40	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.24kg
LR4-202WJBW(U)-RY/RG		Φ40	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.275kg
LR4-302WJBW(U)-RYG		Φ40	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.31kg
LR4-302WJBW-RYGZ		Φ40	3	24V DC	Direct	✓	Red, Amber, Green	•	5.2W	0.31kg
LR4-402WJBW(U)-RYGB		Φ40	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.345kg
LR4-502WJBW(U)-RYGBC		Φ40	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.38kg
LR4-1M2WJNW-R/Y/G		Φ40	1	100 - 240V AC	Direct		Red / Amber / Green		1.8W	0.29kg
LR4-2M2WJNW-RY/RG		Φ40	2	100 - 240V AC	Direct		Red, Amber / Red, Green		3.6W	0.32kg
LR4-3M2WJNW-RYG		Φ40	3	100 - 240V AC	Direct		Red, Amber, Green		5.4W	0.355kg
LR4-4M2WJNW-RYGB		Φ40	4	100 - 240V AC	Direct		Red, Amber, Green, Blue		7.2W	0.39kg
LR4-5M2WJNW-RYGBC		Φ40	5	100 - 240V AC	Direct		Red, Amber, Green, Blue, White		9W	0.43kg
LR4-1M2WJBW-R/Y/G		Φ40	1	100 - 240V AC	Direct	✓	Red / Amber / Green		3.6W	0.32kg
LR4-2M2WJBW-RY/RG		Φ40	2	100 - 240V AC	Direct	✓	Red, Amber / Red, Green		5.4W	0.36kg
LR4-3M2WJBW-RYG		Φ40	3	100 - 240V AC	Direct	✓	Red, Amber, Green		7.2W	0.39kg
LR4-4M2WJBW-RYGB		Φ40	4	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue		9W	0.43kg
LR4-5M2WJBW-RYGBC		Φ40	5	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue, White		10.8W	0.46kg
LR5-101WJNW-R/Y/G		Φ50	1	12V DC	Direct		Red / Amber / Green		1.1W	0.24kg
LR5-201WJNW-RY/RG		Φ50	2	12V DC	Direct		Red, Amber / Red, Green		2.2W	0.28kg
LR5-301WJNW-RYG		Φ50	3	12V DC	Direct		Red, Amber, Green		3.3W	0.32kg
LR5-401WJNW-RYGB		Φ50	4	12V DC	Direct		Red, Amber, Green, Blue		4.4W	0.36kg
LR5-501WJNW-RYGBC		Φ50	5	12V DC	Direct		Red, Amber, Green, Blue, White		5.5W	0.4kg
LR5-101WJBW-R/Y/G		Φ50	1	12V DC	Direct	✓	Red / Amber / Green		2.3W	0.29kg
LR5-201WJBW-RY/RG		Φ50	2	12V DC	Direct	✓	Red, Amber / Red, Green		3.4W	0.33kg
LR5-301WJBW-RYG		Φ50	3	12V DC	Direct	✓	Red, Amber, Green		4.5W	0.37kg
LR5-401WJBW-RYGB		Φ50	4	12V DC	Direct	✓	Red, Amber, Green, Blue		5.6W	0.41kg
LR5-501WJBW-RYGBC		Φ50	5	12V DC	Direct	✓	Red, Amber, Green, Blue, White		6.7W	0.45kg
LR5-102WJNW-R/Y/G		Φ50	1	24V DC	Direct		Red / Amber / Green		1.3W	0.24kg
LR5-202WJNW-RY/RG		Φ50	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.28kg
LR5-302WJNW-RYG		Φ50	3	24V DC	Direct		Red, Amber, Green		3.9W	0.32kg

Product List Pre-Assembled Models

 ---Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR5-402WJNW-RYGB		Φ50	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.36kg
LR5-502WJNW-RYGB		Φ50	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.4kg
LR5-102WJBW-R/Y/G		Φ50	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.29kg
LR5-202WJBW-RY/RG		Φ50	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.33kg
LR5-302WJBW-RYG		Φ50	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.37kg
LR5-402WJBW-RYGB		Φ50	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.41kg
LR5-502WJBW-RYGB		Φ50	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.45kg
LR6-102WJNW(U)-R/Y/G		Φ60	1	24V DC	Direct		Red / Amber / Green		1.3W	0.28kg
LR6-202WJNW(U)-RY/RG		Φ60	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.34kg
LR6-302WJNW(U)-RYG		Φ60	3	24V DC	Direct		Red, Amber, Green		3.9W	0.4kg
LR6-302WJNW-RYGZ		Φ60	3	24V DC	Direct		Red, Amber, Green	•	3.9W	0.4kg
LR6-402WJNW(U)-RYGB		Φ60	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.46kg
LR6-502WJNW(U)-RYGB		Φ60	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.52kg
LR6-102WJBW(U)-R/Y/G		Φ60	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.34kg
LR6-202WJBW(U)-RY/RG		Φ60	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.4kg
LR6-302WJBW(U)-RYG		Φ60	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.46kg
LR6-402WJBW(U)-RYGB		Φ60	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.52kg
LR6-502WJBW(U)-RYGB		Φ60	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.58kg
LR6-1M2WJNW-R/Y/G		Φ60	1	100 - 240V AC	Direct		Red / Amber / Green		1.8W	0.38kg
LR6-2M2WJNW-RY/RG		Φ60	2	100 - 240V AC	Direct		Red, Amber / Red, Green		3.6W	0.44kg
LR6-3M2WJNW-RYG		Φ60	3	100 - 240V AC	Direct		Red, Amber, Green		5.4W	0.5kg
LR6-4M2WJNW-RYGB		Φ60	4	100 - 240V AC	Direct		Red, Amber, Green, Blue		7.2W	0.56kg
LR6-5M2WJNW-RYGB		Φ60	5	100 - 240V AC	Direct		Red, Amber, Green, Blue, White		9W	0.62kg
LR6-1M2WJBW-R/Y/G		Φ60	1	100 - 240V AC	Direct	✓	Red / Amber / Green		3.6W	0.44kg
LR6-2M2WJBW-RY/RG		Φ60	2	100 - 240V AC	Direct	✓	Red, Amber / Red, Green		5.4W	0.5kg
LR6-3M2WJBW-RYG		Φ60	3	100 - 240V AC	Direct	✓	Red, Amber, Green		7.2W	0.56kg
LR6-4M2WJBW-RYGB		Φ60	4	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue		9W	0.62kg
LR6-5M2WJBW-RYGB		Φ60	5	100 - 240V AC	Direct	✓	Red, Amber, Green, Blue, White		10.8W	0.68kg
LR7-102WJNW-R/Y/G		Φ70	1	24V DC	Direct		Red / Amber / Green		1.3W	0.31kg
LR7-202WJNW-RY/RG		Φ70	2	24V DC	Direct		Red, Amber / Red, Green		2.6W	0.37kg
LR7-302WJNW-RYG		Φ70	3	24V DC	Direct		Red, Amber, Green		3.9W	0.435kg
LR7-402WJNW-RYGB		Φ70	4	24V DC	Direct		Red, Amber, Green, Blue		5.2W	0.5kg
LR7-502WJNW-RYGB		Φ70	5	24V DC	Direct		Red, Amber, Green, Blue, White		6.5W	0.57kg
LR7-102WJBW-R/Y/G		Φ70	1	24V DC	Direct	✓	Red / Amber / Green		2.6W	0.38kg
LR7-202WJBW-RY/RG		Φ70	2	24V DC	Direct	✓	Red, Amber / Red, Green		3.9W	0.44kg
LR7-302WJBW-RYG		Φ70	3	24V DC	Direct	✓	Red, Amber, Green		5.2W	0.505kg
LR7-402WJBW-RYGB		Φ70	4	24V DC	Direct	✓	Red, Amber, Green, Blue		6.5W	0.57kg
LR7-502WJBW-RYGB		Φ70	5	24V DC	Direct	✓	Red, Amber, Green, Blue, White		7.8W	0.635kg
LR6-302WJBW-RYGZ		Φ60	3	24V DC	Direct	✓	Red, Amber, Green	•	5.2W	0.46kg
LR4-102LJNW(U)-R/Y/G		Φ40	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.495kg
LR4-202LJNW(U)-RY/RG		Φ40	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.53kg
LR4-302LJNW(U)-RYG		Φ40	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.565kg
LR4-302LJNW-RYGZ		Φ40	3	24V DC	Pole with L-bracket		Red, Amber, Green	•	3.9W	0.565kg
LR4-402LJNW(U)-RYGB		Φ40	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.6kg
LR4-502LJNW(U)-RYGB		Φ40	5	24V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		6.5W	0.635kg
LR4-102LJBW(U)-R/Y/G		Φ40	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.53kg
LR4-202LJBW(U)-RY/RG		Φ40	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.565kg
LR4-302LJBW(U)-RYG		Φ40	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.6kg
LR4-302LJBW-RYGZ		Φ40	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green	•	5.2W	0.6kg
LR4-402LJBW(U)-RYGB		Φ40	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.635kg
LR4-502LJBW(U)-RYGB		Φ40	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.67kg
* LR4-1M2LJNW-R/Y/G		Φ40	1	100 - 240V AC	Pole with L-bracket		Red / Amber / Green		1.8W	0.575kg
* LR4-2M2LJNW-RY/RG		Φ40	2	100 - 240V AC	Pole with L-bracket		Red, Amber / Red, Green		3.6W	0.61kg
* LR4-3M2LJNW-RYG		Φ40	3	100 - 240V AC	Pole with L-bracket		Red, Amber, Green		5.4W	0.645kg
* LR4-4M2LJNW-RYGB		Φ40	4	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue		7.2W	0.68kg
* LR4-5M2LJNW-RYGB		Φ40	5	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue, White		9W	0.715kg

Product List Pre-Assembled Models

Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
* LR4-1M2LJBW-R/Y/G		Φ40	1	100 - 240V AC	Pole with L-bracket	✓	Red / Amber / Green		3.6W	0.61kg
* LR4-2M2LJBW-RY/RG		Φ40	2	100 - 240V AC	Pole with L-bracket	✓	Red, Amber / Red, Green		5.4W	0.645kg
* LR4-3M2LJBW-RYG		Φ40	3	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green		7.2W	0.68kg
* LR4-4M2LJBW-RYGB		Φ40	4	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue		9W	0.715kg
* LR4-5M2LJBW-RYGBC		Φ40	5	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.75kg
LR5-101LJNW-R/Y/G		Φ50	1	12V DC	Pole with L-bracket		Red / Amber / Green		1.1W	0.53kg
LR5-201LJNW-RY/RG		Φ50	2	12V DC	Pole with L-bracket		Red, Amber / Red, Green		2.2W	0.57kg
LR5-301LJNW-RYG		Φ50	3	12V DC	Pole with L-bracket		Red, Amber, Green		3.3W	0.61kg
LR5-401LJNW-RYGB		Φ50	4	12V DC	Pole with L-bracket		Red, Amber, Green, Blue		4.4W	0.65kg
LR5-501LJNW-RYGBC		Φ50	5	12V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		5.5W	0.69kg
LR5-101LJBW-R/Y/G		Φ50	1	12V DC	Pole with L-bracket	✓	Red / Amber / Green		2.3W	0.58kg
LR5-201LJBW-RY/RG		Φ50	2	12V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.4W	0.57kg
LR5-301LJBW-RYG		Φ50	3	12V DC	Pole with L-bracket	✓	Red, Amber, Green		4.5W	0.66kg
LR5-401LJBW-RYGB		Φ50	4	12V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		5.6W	0.65kg
LR5-501LJBW-RYGBC		Φ50	5	12V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		6.7W	0.74kg
LR5-102LJNW-R/Y/G		Φ50	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.53kg
LR5-202LJNW-RY/RG		Φ50	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.57kg
LR5-302LJNW-RYG		Φ50	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.61kg
LR5-402LJNW-RYGB		Φ50	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.65kg
LR5-502LJNW-RYGBC		Φ50	5	24V DC	Pole with L-bracket		Red · Amber · Green · Blue · White		6.5W	0.69kg
LR5-102LJBW-R/Y/G		Φ50	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.58kg
LR5-202LJBW-RY/RG		Φ50	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.62kg
LR5-302LJBW-RYG		Φ50	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.66kg
LR5-402LJBW-RYGB		Φ50	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.7kg
LR5-502LJBW-RYGBC		Φ50	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.74kg
LR6-102LJNW(U)-R/Y/G		Φ60	1	24V DC	Pole with L-bracket		Red / Amber / Green		1.3W	0.56kg
LR6-202LJNW(U)-RY/RG		Φ60	2	24V DC	Pole with L-bracket		Red, Amber / Red, Green		2.6W	0.62kg
LR6-302LJNW(U)-RYG		Φ60	3	24V DC	Pole with L-bracket		Red, Amber, Green		3.9W	0.68kg
LR6-302LJNW-RYGZ		Φ60	3	24V DC	Pole with L-bracket		Red, Amber, Green	•	3.9W	0.68kg
LR6-402LJNW(U)-RYGB		Φ60	4	24V DC	Pole with L-bracket		Red, Amber, Green, Blue		5.2W	0.74kg
LR6-502LJNW(U)-RYGBC		Φ60	5	24V DC	Pole with L-bracket		Red, Amber, Green, Blue, White		6.5W	0.8kg
LR6-102LJBW(U)-R/Y/G		Φ60	1	24V DC	Pole with L-bracket	✓	Red / Amber / Green		2.6W	0.62kg
LR6-202LJBW(U)-RY/RG		Φ60	2	24V DC	Pole with L-bracket	✓	Red, Amber / Red, Green		3.9W	0.68kg
LR6-302LJBW(U)-RYG		Φ60	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green		5.2W	0.74kg
LR6-302LJBW-RYGZ		Φ60	3	24V DC	Pole with L-bracket	✓	Red, Amber, Green	•	5.2W	0.74kg
LR6-402LJBW(U)-RYGB		Φ60	4	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue		6.5W	0.8kg
LR6-502LJBW(U)-RYGBC		Φ60	5	24V DC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.86kg
* LR6-1M2LJNW-R/Y/G		Φ60	1	100 - 240V AC	Pole with L-bracket		Red / Amber / Green		1.8W	0.66kg
* LR6-2M2LJNW-RY/RG		Φ60	2	100 - 240V AC	Pole with L-bracket		Red, Amber / Red, Green		3.6W	0.72kg
* LR6-3M2LJNW-RYG		Φ60	3	100 - 240V AC	Pole with L-bracket		Red, Amber, Green		5.4W	0.78kg
* LR6-4M2LJNW-RYGB		Φ60	4	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue		7.2W	0.84kg
* LR6-5M2LJNW-RYGBC		Φ60	5	100 - 240V AC	Pole with L-bracket		Red, Amber, Green, Blue, White		9W	0.9kg
* LR6-1M2LJBW-R/Y/G		Φ60	1	100 - 240V AC	Pole with L-bracket	✓	Red / Amber / Green		3.6W	0.72kg
* LR6-2M2LJBW-RY/RG		Φ60	2	100 - 240V AC	Pole with L-bracket	✓	Red, Amber / Red, Green		5.4W	0.78kg
* LR6-3M2LJBW-RYG		Φ60	3	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green		7.2W	0.84kg
* LR6-4M2LJBW-RYGB		Φ60	4	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue		9W	0.9kg
* LR6-5M2LJBW-RYGBC		Φ60	5	100 - 240V AC	Pole with L-bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.96kg
LR4-102PJNW(U)-R/Y/G		Φ40	1	24V DC	Pole with Circular Bracket		Red / Amber / Green		1.3W	0.395kg
LR4-202PJNW(U)-RY/RG		Φ40	2	24V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.6W	0.43kg
LR4-302PJNW(U)-RYG		Φ40	3	24V DC	Pole with Circular Bracket		Red, Amber, Green		3.9W	0.465kg
LR4-402PJNW(U)-RYGB		Φ40	4	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		5.2W	0.5kg
LR4-502PJNW(U)-RYGBC		Φ40	5	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		6.5W	0.535kg
LR4-102PJBW(U)-R/Y/G		Φ40	1	24V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.6W	0.43kg

* Not suitable for KC (KN 61000-6-4, KN 61000-6-2) and Low Voltage Directive (TEC / EN 60947-5-1, EN 62471).

LR

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Announciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

Product List Pre-Assembled Models

 --- Compatible with WD Wireless Data Acquisition products (page. 11 - 13)

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR4-202PJBW(U)-RY/RG		Φ40	2	24V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.9W	0.465kg
LR4-302PJBW(U)-RYG		Φ40	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green		5.2W	0.5kg
LR4-402PJBW(U)-RYGB		Φ40	4	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		6.5W	0.535kg
LR4-502PJBW(U)-RYGBC		Φ40	5	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.57kg
LR4-1M2PJNW-R/Y/G		Φ40	1	100 - 240V AC	Pole with Circular Bracket		Red / Amber / Green		1.8W	0.48kg
LR4-2M2PJNW-RY/RG		Φ40	2	100 - 240V AC	Pole with Circular Bracket		Red, Amber / Red, Green		3.6W	0.51kg
LR4-3M2PJNW-RYG		Φ40	3	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green		5.4W	0.545kg
LR4-4M2PJNW-RYGB		Φ40	4	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue		7.2W	0.58kg
LR4-5M2PJNW-RYGBC		Φ40	5	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		9W	0.62kg
LR4-1M2PJBW-R/Y/G		Φ40	1	100 - 240V AC	Pole with Circular Bracket	✓	Red / Amber / Green		3.6W	0.51kg
LR4-2M2PJBW-RY/RG		Φ40	2	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		5.4W	0.55kg
LR4-3M2PJBW-RYG		Φ40	3	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green		7.2W	0.58kg
LR4-4M2PJBW-RYGB		Φ40	4	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		9W	0.62kg
LR4-5M2PJBW-RYGBC		Φ40	5	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.65kg
LR5-101PJNW-R/Y/G		Φ50	1	12V DC	Pole with Circular Bracket		Red / Amber / Green		1.1W	0.42kg
LR5-201PJNW-RY/RG		Φ50	2	12V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.2W	0.46kg
LR5-301PJNW-RYG		Φ50	3	12V DC	Pole with Circular Bracket		Red, Amber, Green		3.3W	0.5kg
LR5-401PJNW-RYGB		Φ50	4	12V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		4.4W	0.54kg
LR5-501PJNW-RYGBC		Φ50	5	12V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		5.5W	0.58kg
LR5-101PJBW-R/Y/G		Φ50	1	12V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.3W	0.47kg
LR5-201PJBW-RY/RG		Φ50	2	12V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.4W	0.51kg
LR5-301PJBW-RYG		Φ50	3	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green		4.5W	0.55kg
LR5-401PJBW-RYGB		Φ50	4	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		5.6W	0.59kg
LR5-501PJBW-RYGBC		Φ50	5	12V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		6.7W	0.63kg
LR5-102PJNW-R/Y/G		Φ50	1	24V DC	Pole with Circular Bracket		Red/Amber/Green		1.3W	0.42kg
LR5-202PJNW-RY/RG		Φ50	2	24V DC	Pole with Circular Bracket		Red, Amber, red, and green		2.6W	0.46kg
LR5-302PJNW-RYG		Φ50	3	24V DC	Pole with Circular Bracket		Red · Amber · Green		3.9W	0.5kg
LR5-402PJNW-RYGB		Φ50	4	24V DC	Pole with Circular Bracket		Red · Amber · Green · Blue		5.2W	0.54kg
LR5-502PJNW-RYGBC		Φ50	5	24V DC	Pole with Circular Bracket		Red · Amber · Green · Blue · White		6.5W	0.58kg
LR5-102PJBW-R/Y/G		Φ50	1	24V DC	Pole with Circular Bracket	✓	Red/Amber/Green		2.6W	0.47kg
LR5-202PJBW-RY/RG		Φ50	2	24V DC	Pole with Circular Bracket	✓	Red, Amber, red, and green		3.9W	0.51kg
LR5-302PJBW-RYG		Φ50	3	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green		5.2W	0.55kg
LR5-402PJBW-RYGB		Φ50	4	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green · Blue		6.5W	0.59kg
LR5-502PJBW-RYGBC		Φ50	5	24V DC	Pole with Circular Bracket	✓	Red · Amber · Green · Blue · White		7.8W	0.63kg
LR6-102PJNW-R/Y/G		Φ60	1	24V DC	Pole with Circular Bracket		Red / Amber / Green		1.3W	0.46kg
LR6-202PJNW-RY/RG		Φ60	2	24V DC	Pole with Circular Bracket		Red, Amber / Red, Green		2.6W	0.52kg
LR6-302PJNW-RYG		Φ60	3	24V DC	Pole with Circular Bracket		Red, Amber, Green		3.9W	0.58kg
LR6-402PJNW-RYGB		Φ60	4	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue		5.2W	0.64kg
LR6-502PJNW-RYGBC		Φ60	5	24V DC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		6.5W	0.7kg
LR6-102PJBW-R/Y/G		Φ60	1	24V DC	Pole with Circular Bracket	✓	Red / Amber / Green		2.6W	0.52kg
LR6-202PJBW-RY/RG		Φ60	2	24V DC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		3.9W	0.58kg
LR6-302PJBW-RYG		Φ60	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green		5.2W	0.64kg
LR6-402PJBW-RYGB		Φ60	4	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		6.5W	0.7kg
LR6-502PJBW-RYGBC		Φ60	5	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.76kg

* Not suitable for KC (KN 61000-6-4, KN 61000-6-2) and Low Voltage Directive (TEC / EN 60947-5-1, EN 62471).

Model Number	WD Compatible	Size (mm)	Number of Tiers	Rated Voltage	Mounting	Alarm	Luminous Color	Clear Lens	Power Consumption	Mass
LR6-1M2PJNW-R/Y/G		Φ60	1	100 - 240V AC	Pole with Circular Bracket		Red / Amber / Green		1.8W	0.56kg
LR6-2M2PJNW-RY/RG		Φ60	2	100 - 240V AC	Pole with Circular Bracket		Red, Amber / Red, Green		3.6W	0.62kg
LR6-3M2PJNW-RYG		Φ60	3	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green		5.4W	0.68kg
LR6-4M2PJNW-RYGB		Φ60	4	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue		7.2W	0.74kg
LR6-5M2PJNW-RYGBC		Φ60	5	100 - 240V AC	Pole with Circular Bracket		Red, Amber, Green, Blue, White		9W	0.8kg
LR6-1M2PJBW-R/Y/G		Φ60	1	100 - 240V AC	Pole with Circular Bracket	✓	Red / Amber / Green		3.6W	0.62kg
LR6-2M2PJBW-RY/RG		Φ60	2	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber / Red, Green		5.4W	0.68kg
LR6-3M2PJBW-RYG		Φ60	3	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green		7.2W	0.74kg
LR6-4M2PJBW-RYGB		Φ60	4	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue		9W	0.8kg
LR6-5M2PJBW-RYGBC		Φ60	5	100 - 240V AC	Pole with Circular Bracket	✓	Red, Amber, Green, Blue, White		10.8W	0.86kg
LR6-302PJNW-RYGZ		Φ60	3	24V DC	Pole with Circular Bracket		Red, Amber, Green	•	3.9W	0.58kg
LR6-302PJBW-RYGZ		Φ60	3	24V DC	Pole with Circular Bracket	✓	Red, Amber, Green	•	5.2W	0.64kg
LR4-102QJNW-R/Y/G		Φ40	1	24V DC	Pole with Folding Bracket		Red / Amber / Green		1.3W	0.455kg
LR4-202QJNW-RY/RG		Φ40	2	24V DC	Pole with Folding Bracket		Red, Amber / Red, Green		2.6W	0.49kg
LR4-302QJNW-RYG		Φ40	3	24V DC	Pole with Folding Bracket		Red, Amber, Green		3.9W	0.525kg
LR4-402QJNW-RYGB		Φ40	4	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue		5.2W	0.56kg
LR4-502QJNW-RYGBC		Φ40	5	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue, White		6.5W	0.595kg
LR4-102QJBW-R/Y/G		Φ40	1	24V DC	Pole with Folding Bracket	✓	Red / Amber / Green		2.6W	0.49kg
LR4-202QJBW-RY/RG		Φ40	2	24V DC	Pole with Folding Bracket	✓	Red, Amber / Red, Green		3.9W	0.525kg
LR4-302QJBW-RYG		Φ40	3	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green		5.2W	0.56kg
LR4-402QJBW-RYGB		Φ40	4	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue		6.5W	0.595kg
LR4-502QJBW-RYGBC		Φ40	5	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.63kg
LR6-102QJNW-R/Y/G		Φ60	1	24V DC	Pole with Folding Bracket		Red / Amber / Green		1.3W	0.52kg
LR6-202QJNW-RY/RG		Φ60	2	24V DC	Pole with Folding Bracket		Red, Amber / Red, Green		2.6W	0.58kg
LR6-302QJNW-RYG		Φ60	3	24V DC	Pole with Folding Bracket		Red, Amber, Green		3.9W	0.64kg
LR6-402QJNW-RYGB		Φ60	4	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue		5.2W	0.7kg
LR6-502QJNW-RYGBC		Φ60	5	24V DC	Pole with Folding Bracket		Red, Amber, Green, Blue, White		6.5W	0.76kg
LR6-102QJBW-R/Y/G		Φ60	1	24V DC	Pole with Folding Bracket	✓	Red / Amber / Green		2.6W	0.58kg
LR6-202QJBW-RY/RG		Φ60	2	24V DC	Pole with Folding Bracket	✓	Red, Amber / Red, Green		3.9W	0.64kg
LR6-302QJBW-RYG		Φ60	3	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green		5.2W	0.7kg
LR6-402QJBW-RYGB		Φ60	4	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue		6.5W	0.76kg
LR6-502QJBW-RYGBC		Φ60	5	24V DC	Pole with Folding Bracket	✓	Red, Amber, Green, Blue, White		7.8W	0.82kg
LR6-302WCNW-RYG		Φ60	3	24V DC	Multi-mount / M12 Connector	✓	Red, Amber, Green		3.0W	0.35kg

Select Alarm Unit for Flashing / Alarm Function



LR4~7

Φ40~70

Model Number	Size (mm)	Mass
LR4-BW/U	Φ40	0.035kg
LR5-BW/U/K	Φ50	0.05kg
LR5-BW+B0960	Φ50	0.05kg
LR6-BW/U	Φ60	0.06kg
LR6-BW+B0960	Φ60	0.06kg
LR7-BW/U/K	Φ70	0.07kg

Select LED Unit(s)



LR4~7

Φ40~70

Model Number	Size (mm)	Luminous Color	Clear Lens	Mass
LR4-E-R/Y/G/B/C	Φ40	Red/ Amber /Green/Blue/White		0.035kg
LR4-E-R/YZ/GZ/BZ	Φ40	Red/ Amber/Green/Blue	•	0.035kg
LR5-E-R/Y/G/B/C	Φ50	Red/ Amber /Green/Blue/White		0.04kg
LR6-E-R/Y/G/B/C	Φ60	Red/ Amber /Green/Blue/White		0.04kg
LR6-E-RZ/YZ/GZ/BZ	Φ60	Red/ Amber/Green/Blue	•	0.06kg
LR6-E-MZ	Φ60	Multi-color 7 colors	•	0.06kg
LR7-E-R/Y/G/B/C	Φ70	Red/ Amber /Green/Blue/White		0.065kg
LR4-E-R/Y/G/B/C-A	Φ40	Red/ Amber /Green/Blue/White		0.035kg

Select Body Unit

Model Number	Size (mm)	Rated Voltage	Mounting	Wiring	Mass
LR4-02WJNW(U)	Φ40	24V DC	Direct	Cable	0.17kg
LR4-M2WJNW	Φ40	100~240V AC	Direct	Cable	0.25kg
LR5-01WJNW	Φ50	12V DC	Direct	Cable	0.2kg
LR5-02WJNW	Φ50	24V DC	Direct	Cable	0.2kg
LR6-02WJNW(U)	Φ60	24V DC	Direct	Cable	0.22kg
LR6-M2WJNW	Φ60	100~240V AC	Direct	Cable	0.32kg
LR7-02WJNW	Φ70	24V DC	Direct	Cable	0.24kg
LR5-02WTNW(U)(K)	Φ50	24V DC	Direct	Screwless Terminal Block	0.10kg
LR7-02WTNW(U)(K)	Φ70	24V DC	Direct	Screwless Terminal Block	0.15kg
LR5-02KTNW(U)(K)	Φ50	24V DC	Dual-mount with knockout holes	Screwless Terminal Block	0.10kg
LR7-02KTNW(U)(K)	Φ70	24V DC	Dual-mount with knockout holes	Screwless Terminal Block	0.15kg
LR4-02LJNW(U)	Φ40	24V DC	Pole with L-bracket	Cable	0.46kg
LR4-M2LJNW	Φ40	100~240V AC	Pole with L-bracket	Cable	0.54kg
LR5-01LJNW	Φ50	12V DC	Pole with L-bracket	Cable	0.49kg
LR5-02LJNW	Φ50	24V DC	Pole with L-bracket	Cable	0.49kg

LR6-02WJNW

① ② ③ ④ ⑤

① Size 4 = ϕ 40 5 = ϕ 50 6 = ϕ 60 7 = ϕ 70	② Rated Voltage 01 = 12V DC* ¹ 02 = 24V DC M2 = 100 - 240V AC* ²	③ Mounting/Wiring WJ = Direct Mount/Cable WT = Direct Mount/Terminal* ³ KT = Knock-outs Mount/Terminal* ³ WC = Direct Mount/M12 Connector* ⁴ LJ = Pole Mount with L-bracket/Cable* ⁵ PJ = Pole Mount with Circular Bracket/Cable* ⁵ QJ = Pole Mount with Folding Bracket/Cable* ⁶	④ Flashing/Buzzer N = No Flashing/Buzzer	⑤ Body Color W = Off-white U = Silver K = Black ⁷
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*1. For LR5 models only

*2. For LR4 and LR6 models with WJ, LJ, and PJ mounting

*3. For LR5, LR7 24V DC models only

*4. For LR6 24V DC models only

*5. For LR4, LR5 and LR6 models

*6. For LR4 and LR6 models with 24V DC, Off-white body only

*7. For LR5, LR7 models only

3 Easy Steps



Setup Video

Scan the QR code to see how easy the LR is to configure.

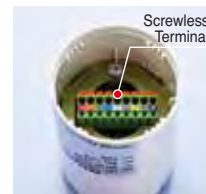


Model Number	Size (mm)	Rated Voltage	Mounting	Wiring	Mass
LR6-02LJNW(U)	ϕ 60	24V DC	Pole with L-bracket	Cable	0.5kg
LR6-M2LJNW	ϕ 60	100~240V AC	Pole with L-bracket	Cable	0.6kg
LR4-02PJNW(U)	ϕ 40	24V DC	Pole with Circular Bracket	Cable	0.36kg
LR4-M2PJNW	ϕ 40	100~240V AC	Pole with Circular Bracket	Cable	0.44kg
LR5-01PJNW	ϕ 50	12V DC	Pole with Circular Bracket	Cable	0.38kg
LR5-02PJNW	ϕ 50	24V DC	Pole with Circular Bracket	Cable	0.38kg
LR6-02PJNW(U)	ϕ 60	24V DC	Pole with Circular Bracket	Cable	0.4kg
LR6-M2PJNW	ϕ 60	100~240V AC	Pole with Circular Bracket	Cable	0.5kg
LR6-M2PJNA	ϕ 60	100~240V AC	Pole with Circular Bracket	Cable	0.5kg
LR4-02QJNW	ϕ 40	24V DC	Pole with Folding Bracket	Cable	0.42kg
LR6-02QJNW	ϕ 60	24V DC	Pole with Folding Bracket	Cable	0.46kg
LR6-02WCNW	ϕ 60	24V DC	Multiple	M12 Connector	0.17kg

Removable Screwless Terminal



New removable terminal for easy wiring.

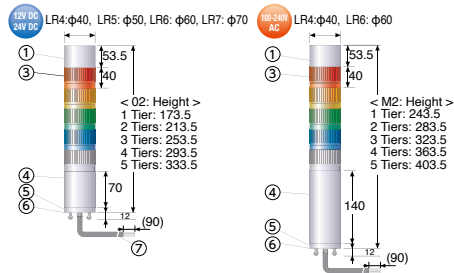


Terminal Block can be removed



Outer Dimensional Drawing (Unit: mm)

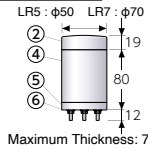
Mount A [WJ] Direct Mount/Cable
(01: 12V DC / 02: 24V DC) (M2: 100-240V AC)



Panel Thickness: 7mm max
Cable Length: (1300)
U type: (3300)
Cable Diameter: $\Phi 7.5$

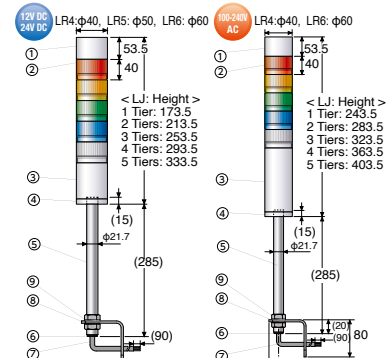
No.	Description	Material
①	Buzzer Unit	PC
②	Head Cover	PC
③	LED Unit	Lens: PC
④	Body	PC
⑤	Direct Mount Bracket	PC
⑥	Waterproof Packing	Silicone Rubber
⑦	Cable	PVC

Mount A [WT] Direct Mount/
Screwless Terminal (Body Unit)



Maximum Thickness: 7

Mount B [LJ] Pole Mount with L-bracket & Cable
(01: 12V DC / 02: 24V DC) (M2: 100-240V AC)

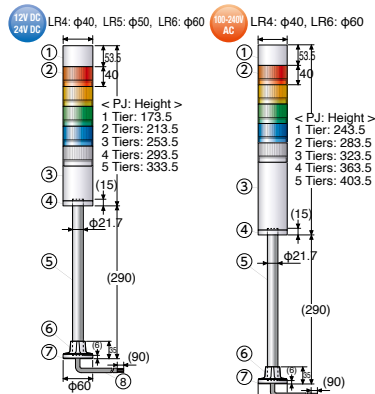


Cable Length: (1000)
U type: (3000)
Cable Diameter: $\Phi 7.5$

Cable Length: (1000)
U type: (3000)
Cable Diameter: $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Rubber Bushing	EPR Rubber
⑦	Cable	PVC
⑧	L-bracket	Steel
⑨	Hexagon Nut M22	SUM

Mount A [PJ] Pole Mount with Circular Bracket & Cable
(01: 12V DC / 02: 24V DC)
(M2: 100-240V AC)

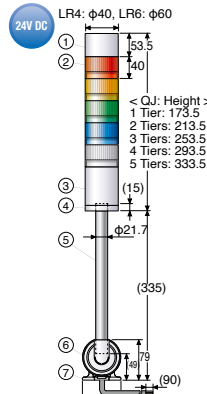


Cable Length: (1000)
U type: (3000)
Cable Diameter: $\Phi 7.5$

Cable Length: (1000)
U type: (3000)
Cable Diameter: $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Circular Bracket	PC
⑦	Waterproof Packing	Silicon Rubber
⑧	Cable	PVC

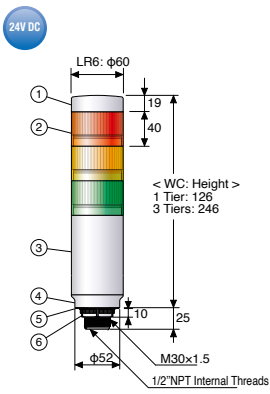
Mount C [QJ] Pole Mount with Folding
Bracket & Cable
(02: 24V DC)



Cable Length: (950)
Cable Diameter: $\Phi 7.5$

No.	Description	Material
①	Buzzer Unit	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Pole Bracket	PC
⑤	Pole	AL
⑥	Folding Bracket	PC
⑦	Waterproof Packing	CR
⑧	Cable	PVC

Mount D [WC] Direct Mount with
M12 Connector
(02: 24V DC)

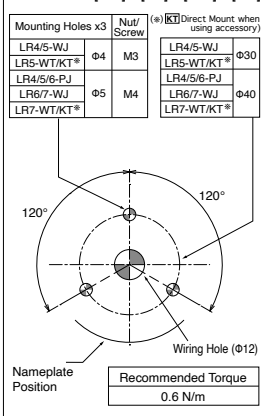


Panel Thickness: 10mm max

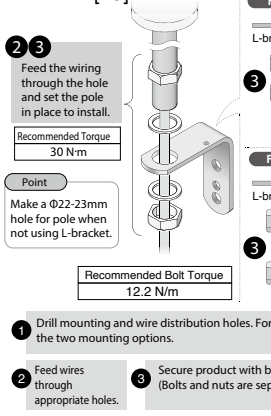
No.	Description	Material
①	Head Cover	PC
②	LED Unit	Lens: PC
③	Body	PC
④	Direct Mount Bracket	PC
⑤	Waterproof Packing	Silicone Rubber
⑥	M30 Nut	PC

Mounting Dimensions (Unit: mm)

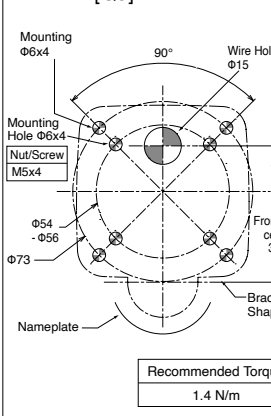
Mount A Mounting Diagram
[WJ] / [PJ] / [WT] / [KT]



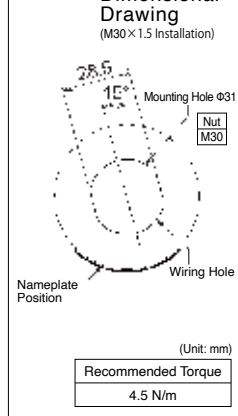
Mount B Mounting Diagram
[LJ]



Mount C Mounting Diagram
[QJ]



Mount D Mounting
Dimensional
Drawing
(M30 x 1.5 Installation)



Optional Parts and Poles

	Model Number	Corresponding Model			
		LR4	LR5	LR6	LR7
	SZP-001W[U][K]	PJ, QJ	PJ, KT * ¹	PJ, QJ	KT * ¹
	SZP-002U	PJ, QJ	PJ, KT * ¹	PJ, QJ	KT * ¹
	SZP-003W[U][K]	PJ, QJ	PJ, KT * ¹	PJ, QJ	KT * ¹
	SZP-090U	WJ	WJ, WT, KT * ²	-	-
	SZP-091U	-	-	WJ	WJ, WT, KT * ²
	SZL-001	LJ	LJ, KT * ¹	LJ	LJ, KT * ¹
	SZQ-001W	PJ, QJ	PJ, KT * ¹	PJ, QJ	KT * ¹
	SZK-001U	LJ, PJ, QJ	LJ, PJ, KT * ¹	LJ, PJ, QJ	KT * ¹
	SZK-002W[U][K]	WJ	WJ, WT, KT * ²	-	-
	SZK-003W[U][K]	-	-	WJ	WJ, WT, KT * ²
	SZK-004W	-	-	WJ	WJ, WT, KT * ²
	SZW-001W	WJ	WJ, WT, KT * ²	WJ	-

*¹ Required pole and pole waterproof ring are not included with KT.*² KT Direct Mount (Using accessory)

Aluminum Poles

□ Aluminum Poles (2 self-tapping screws included)

*Do not cut pole with a pole cutter. Use a fret saw, power saw, or jigsaw.

*To convert from direct mount to pole mount, be sure to purchase the appropriate bracket and pole combination to make the change.

Pole Type	Model Number	SZP-001W	SZP-002U	SZP-003W	SZQ-001W	SZK-001U	SZL-001
 AN Type  ANK Type	POLE22-0100AN[K] 100mm	○	○	○	○	○	×
	POLE22-0300AN[K] 300mm	○	○	○	○	○	×
	POLE22-0500AN 500mm	×	○	×	×	○	×
	POLE22-0800AN[K] 800mm	×	○	×	×	○	×
	POLE22-1000AN 1000mm	×	○	×	×	○	×
 T Type Nuts Incl.	POLE22-0100AT 100mm	×	×	×	×	○	○
	POLE22-0300AT 300mm	×	×	×	×	○	○
	POLE22-0500AT 500mm	×	×	×	×	○	○
	POLE22-0800AT 800mm	×	×	×	×	○	○
	POLE22-1000AT 1000mm	×	×	×	×	○	○

Conversion Brackets



SZW-940U



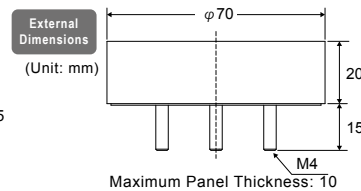
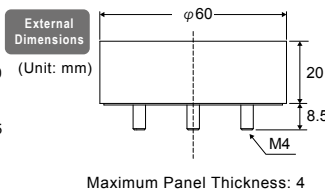
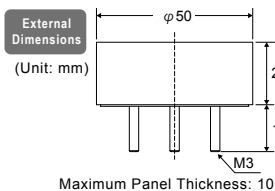
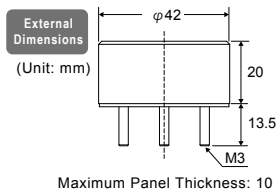
SZW-950U



SZW-960U



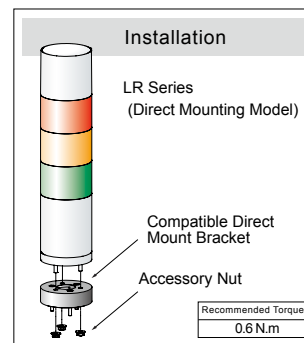
SZW-970U



The Conversion Brackets allow you to install the LR Series Signal Towers using pre-existing mounting holes from previous models.

Model Number	
SZW-940U	Nut with Flange (M3) x 3
SZW-950U	
SZW-960U	
SZW-970U	Nut with Flange (M4) x 3

Model Number	Size (mm)	Corresponding Models	
		Previous	New
SZW-940U	Φ40	LCE-W LCE-AW	LR4-WJ
SZW-950U	Φ50	LE-W LES-AW LU5	LR5-WJ LR5-WT
SZW-960U	Φ60	LME-W	LR6-WJ
SZW-970U	Φ70	LHE LU7	LR7-WJ LR7-WT



⚠ Pole mounting is not compatible.



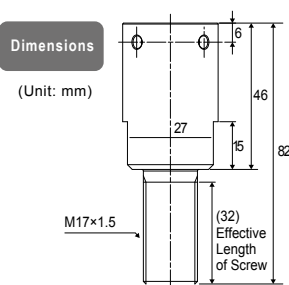
	Type	Material	Pole Diameter
Previous product	LCE-A, LCS	Steel	Φ17.3
	LE, LES	Steel	Φ17.3
	LU5	-	-
	LME, LMS	L: Steel, P: Aluminum	Φ21.7
	LHE	-	-
New product	LR	Aluminum	Φ21.7

Pole Adapter

This adapter is used to install the LR Series Poles (21.7mm diameter) into preexisting 17.3mm diameter holes.

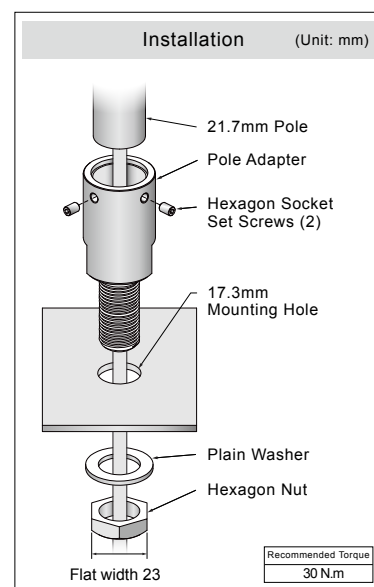


SZP-917U



Accessory	
Hexagon Socket Set Screws x 2	
Hexagon Nut (M17) x 1	
Plain Washer (Φ17.5 × Φ28 × t2.0) x 1	

Model Number	Corresponding Models	
	Previous	New
SZP-917U	LCE/LCE-A LCS/LCS-A LE/LES-A	LR□-□□□LJ□□ POLE22-□□□□AT



Signal Tower with Switch Box

HSST

Φ50 mm

LED

Indoor Use

Upright Mounting

Ambient Temperature 0°C~40°C

Red, Amber, Green

Continuous On

CE *

RoHS 10

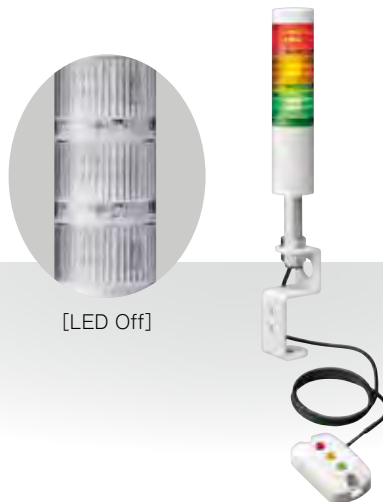
UL

FCC

IP54 (Signal Tower)

IP20 (Switch box)

* FB278 only

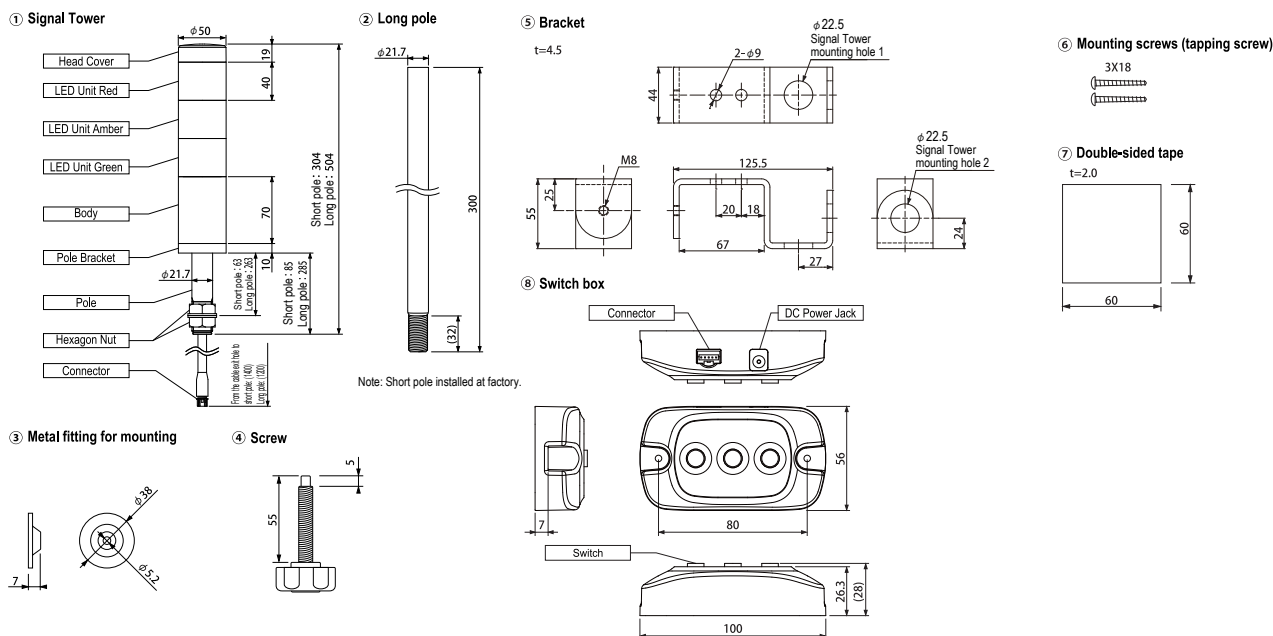


[LED Off]

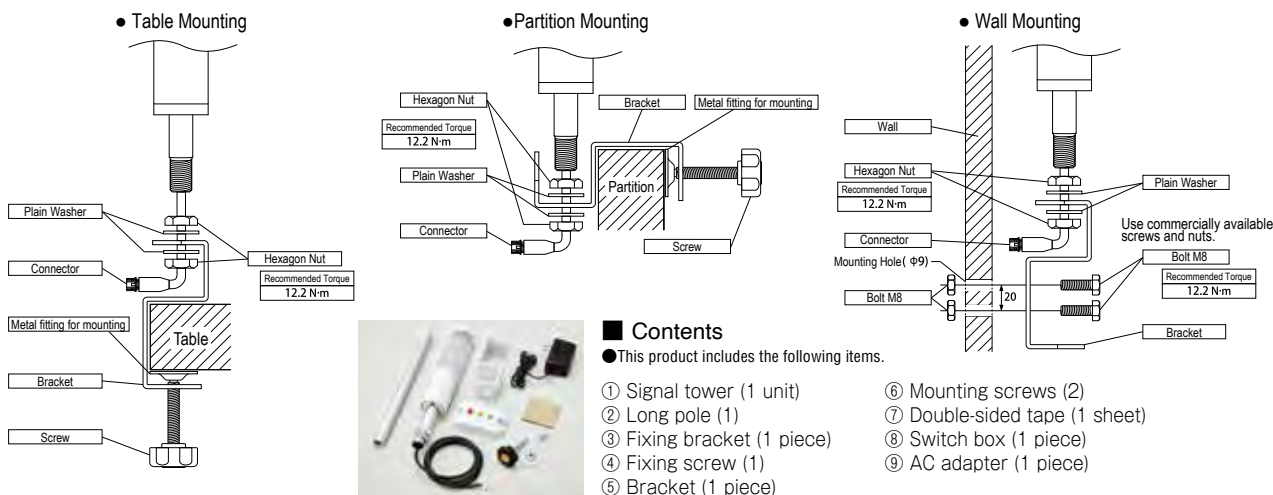
Product List

Model Number	Rated Voltage	Power Consumption	Mass
HSST-3M2-RYG	100~240V AC	4W	Signal Tower with short pole: 0.36kg; Signal Tower with long pole: 0.47kg; Bracket: 0.33kg; Switch box: 0.07kg, Mounting cup and screw: 0.05kg.
HSST-3M2N -RYG+FB278			

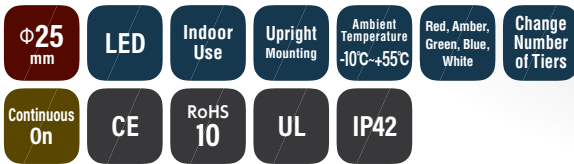
Dimensions (mm)



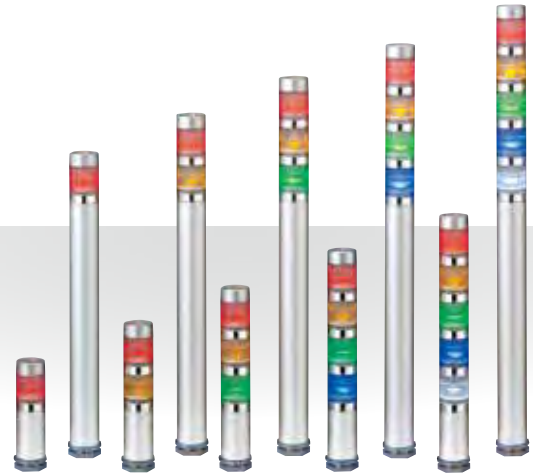
Mounting Method



ME-A/MES-A



ME-A: Standard, 200mm long body
 MES-A: Short, 40mm long body
 (Clear lens specification)



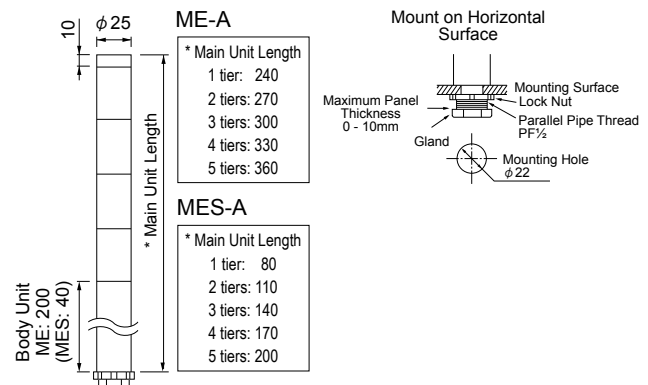
Model Number Configuration

ME-302A-RYG

① ② ③ ④

- ① Model
 ME = Standard body type
 MES = Short body type
- ② Number of Tiers
 1 = 1 tier 4 = 4 tiers
 2 = 2 tiers 5 = 5 tiers
 3 = 3 tiers
- ③ Rated Voltage
 02 = 24V DC
- ④ Luminous Color
 R = Red B = Blue
 Y = Amber C = White
 G = Green (Top to bottom)

Dimensions (mm)



Product List

Model Number	Body	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass (ME)	Mass (MES)
ME/MES-102A-R	Standard body / Short body	1	24V DC	Red	0.8W	0.22kg	0.12kg
ME/MES-102A-Y	Standard body / Short body	1	24V DC	Amber	0.8W	0.22kg	0.12kg
ME/MES-102A-G	Standard body / Short body	1	24V DC	Green	0.5W	0.22kg	0.12kg
ME/MES-102A-B	Standard body / Short body	1	24V DC	Blue	0.5W	0.22kg	0.12kg
ME/MES-102A-C	Standard body / Short body	1	24V DC	White	0.5W	0.22kg	0.12kg
ME/MES-202A-RY	Standard body / Short body	2	24V DC	Red, Amber	1.5W	0.23kg	0.13kg
ME/MES-202A-RG	Standard body / Short body	2	24V DC	Red, Green	1.2W	0.23kg	0.13kg
ME/MES-302A-RYG	Standard body / Short body	3	24V DC	Red, Amber, Green	1.9W	0.24kg	0.14kg
ME/MES-402A-RYGB	Standard body / Short body	4	24V DC	Red, Amber, Green, Blue	2.3W	0.25kg	0.15kg
ME/MES-502A-RYGBC	Standard body / Short body	5	24V DC	Red, Amber, Green, Blue, White	2.7W	0.26kg	0.16kg

Specification

Supported Transistors	NPN
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Optional Parts

For details refer to P. 93 to P. 98

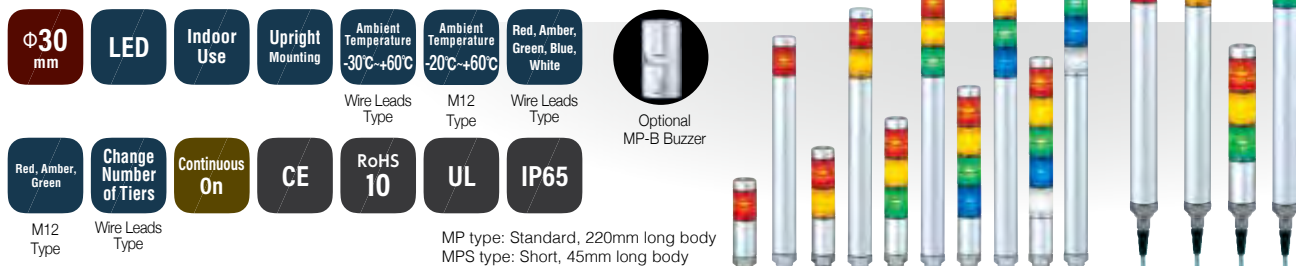
Product Name	Model Number	Specification
L-Bracket	SZL-001	-

Optional Parts for Unit Reconfiguration

Product Description	Model Number
Red LED Unit with clear Lens	B72100223-1F1
Amber LED Unit with clear Lens	B72100223-2F1
Green LED Unit with clear Lens	B72100115-3F1
Blue LED Unit with clear Lens	B72100115-4F1
White LED Unit with clear Lens	B72100115-7F1

Product Description	Model Number
Center Shaft for 1-tier	S33552110-0346F1
Center Shaft for 2-tier	S33552110-0376F1
Center Shaft for 3-tier	S33552110-03108F1
Center Shaft for 4-tier	S33552110-03138F1
Center Shaft for 5-tier	S33552110-03168F1

MP(-C)/MPS(-C)

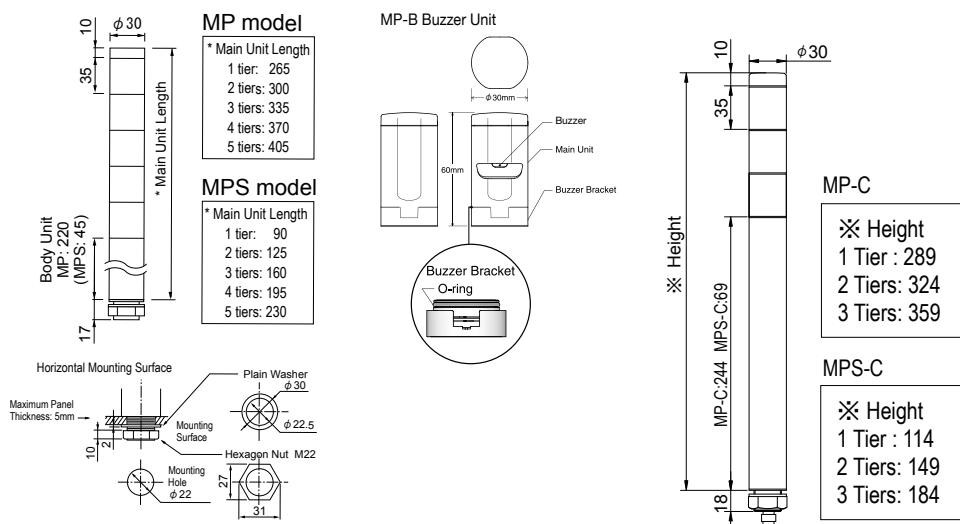


Model Number Configuration

MP-302C-RYG+FB247

① Model	③ Rated Voltage	⑤ Luminous Color	⑥ Special Number
MP = Standard Body	02 = 24V AC / DC	R = Red	+FB247 = MPS-302C
MPS = Short Body		Y = Amber	
		G = Green	
② Tiers	④ Lead Type	B = Blue	
1 = 1 Tier 4 = 4 Tiers	None = Wire Leads	C = White	
2 = 2 Tiers 5 = 5 Tiers	C = M12 Quick Disconnect	(Top to bottom)	
3 = 3 Tiers			

Dimensions (mm)



Model Number	Body	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
MP-102-R	Standard body	1	24V AC / DC	Red	0.8W	0.21kg
MP-102-Y	Standard body	1	24V AC / DC	Amber	0.9W	0.21kg
MP-102-G	Standard body	1	24V AC / DC	Green	0.6W	0.21kg
MP-102-B	Standard body	1	24V AC / DC	Blue	0.6W	0.21kg
MP-102-C	Standard body	1	24V AC / DC	White	0.6W	0.21kg
MP-202-RY	Standard body	2	24V AC / DC	Red, Amber	1.7W	0.23kg
MP-202-RG	Standard body	2	24V AC / DC	Red, Green	1.3W	0.23kg
MP-302-RYG	Standard body	3	24V AC / DC	Red, Amber, Green	2.2W	0.25kg
MP-402-RYGB	Standard body	4	24V AC / DC	Red, Amber, Green, Blue	2.7W	0.27kg
MP-502-RYGBG	Standard body	5	24V AC / DC	Red, Amber, Green, Blue, White	3.2W	0.29kg
MPS-102-R	Short body	1	24V AC / DC	Red	0.8W	0.11kg
MPS-102-Y	Short body	1	24V AC / DC	Amber	0.9W	0.11kg
MPS-102-G	Short body	1	24V AC / DC	Green	0.6W	0.11kg
MPS-102-B	Short body	1	24V AC / DC	Blue	0.6W	0.11kg
MPS-102-C	Short body	1	24V AC / DC	White	0.6W	0.11kg
MPS-202-RY	Short body	2	24V AC / DC	Red, Amber	1.7W	0.13kg
MPS-202-RG	Short body	2	24V AC / DC	Red, Green	1.3W	0.13kg
MPS-202-YG	Short body	2	24V AC / DC	Amber, Green	1.4W	0.13kg
MPS-302-RYG	Short body	3	24V AC / DC	Red, Amber, Green	2.2W	0.15kg
MPS-402-RYGB	Short body	4	24V AC / DC	Red, Amber, Green, Blue	2.7W	0.17kg
MPS-502-RYGBG	Short body	5	24V AC / DC	Red, Amber, Green, Blue, White	3.2W	0.19kg
MP-102C-R	Standard body	1	24V DC	Red	0.8W	0.24kg
MP-102C-Y	Standard body	1	24V DC	Amber	0.8W	0.24kg
MP-102C-G	Standard body	1	24V DC	Green	0.6W	0.24kg
MP-202C-RG	Standard body	2	24V DC	Red, Green	1.3W	0.26kg
MP-202C-YG	Standard body	2	24V DC	Amber, Green	1.3W	0.26kg
MP-202C-GR	Standard body	2	24V DC	Green, Red	1.3W	0.26kg
MP-302C-RYG	Standard body	3	24V DC	Red, Amber, Green	2.1W	0.28kg
MP-302C-YGR	Standard body	3	24V DC	Amber, Green, Red	2.1W	0.28kg
MPS-302C-RYG+FB247	Short body	3	24V DC	Red, Amber, Green	2.1W	0.18kg

Specification

Supported Transistors	NPN / PNP (Wire Leads type) NPN (M12 type)
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Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number	Specification
L-Bracket	SZL-001	-
*Alarm Unit	MP-B	24V AC/DC, 0.7W, 80 dB at 1m

* Operates with Red LED module.

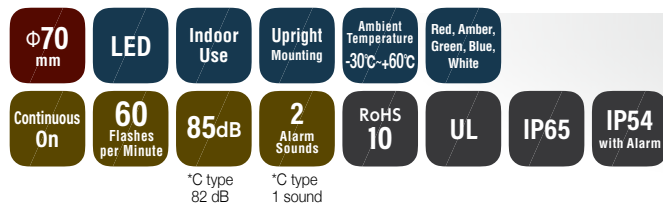
Optional Parts for Unit Reconfiguration

Product Name	Model Number
Red LED Unit	B72100182-1F1
Amber LED Unit	B72100182-2F1
Green LED Unit	B72100182-3F1
Blue LED Unit	B72100182-4F1
White LED Unit	B72100182-7F1

Product Name	Model Number
Center Shaft for 1-tier	S33552120-0355F1
Center Shaft for 2-tier	S33552120-0390F1
Center Shaft for 3-tier	S33552120-03125F1
Center Shaft for 4-tier	S33552120-03160F1
Center Shaft for 5-tier	S33552120-03195F1

Signal Tower

LS7



Continuous On Type

LS7-WH (lead wires)
LS7-WC (M12 connector)

Flashing and Alarm Type

LS7-FBWH
[Continuous on/flashing/2 alarms]
(Lead wires)

LS7-FBWC [Continuous on/1 alarm]
(M12 connector)

(Clear lens specification)

Model Number Configuration

LS7-502SFBWH-RYGBC

① ② ③ ④ ⑤ ⑥

① Number of LED Segments
3 = 3 segments
5 = 5 segments

② Rated Voltage
02 = 24V DC

③ Body Color
None = Off-white
D = Dark gray
S = Silver

④ Flashing / Buzzer*
None = No flashing, no alarm
FB = Flashing/Buzzer for lead wire type only
B = No flashing, with alarm for M12 connector type only

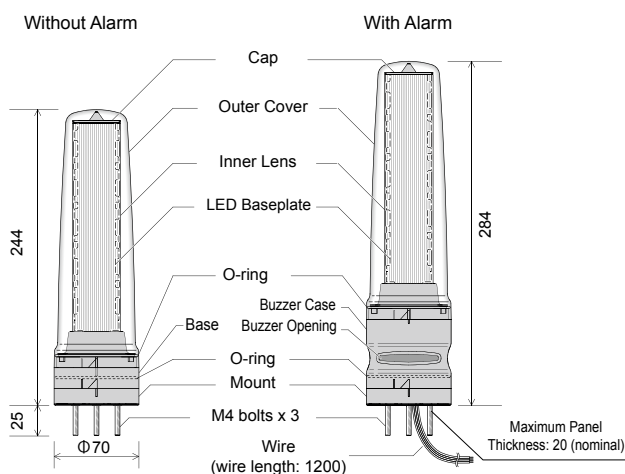
*FB type includes flashing function and two alarm sounds. Only available for lead wire type.

*B type does not include flashing function and has one continuous alarm sound. Only available for M12 connector type.

⑤ Wiring Method
C = M12 connector
H = Lead wire

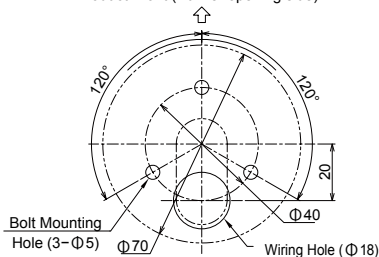
⑥ Luminous Color
RYGNN = Red, Amber, Green
RYGBC = Red, Amber, Green, Blue, White
(Top to bottom. Sequence cannot be changed)

Dimensions (mm)



Installation Dimension Drawings

Product Front (Buzzer opening side)



Specification

Supported Transistor	NPN / PNP
Alarm Sound	2 type (pipipi/piropiro) / 1 type (peepee)
Volume Control	Rotating switch

Optional Parts

For details refer to P. 93 to P. 98

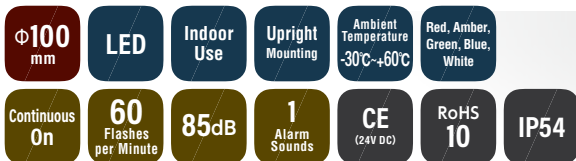
Product Name	Model Number
Platform Bracket (off-white)	SZ-100
Platform Bracket (dark gray)	SZ-100D
Platform Bracket (silver)	SZ-100S
Wall Mount Bracket (off-white)	SZ-110
Wall Mount Bracket (dark gray)	SZ-110D
Wall Mount Bracket (silver)	SZ-110S
Multi-mount Bracket (off-white)	SZ-130
Multi-mount Bracket (dark gray)	SZ-130D
Multi-mount Bracket (silver)	SZ-130S
M12 Connector with 2m cable (OMRON part number)	SZ-120-02 (XS2F-D821-DH0-R)
M12 Connector with 5m cable (OMRON part number)	SZ-120-05 (XS2F-D821-GH0-R)
M12 Connector with 10m cable (OMRON part number)	SZ-120-10 (XS2F-D821-JH0-R)

Product List

Model Number	Number of Tiers	Rated Voltage	Body Color	Function	Buzzer	Wiring Method	Luminous Color	Power Consumption	Mass
LS7-302SFBWH-RYGNN	3	24V DC	Silver	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302BWC-RYGNN	3	24V DC	Off-white	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.26kg
LS7-302DBWC-RYGNN	3	24V DC	Dark gray	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.35kg
LS7-302DFBWH-RYGNN	3	24V DC	Dark gray	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302DWC-RYGNN	3	24V DC	Dark gray	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302DWH-RYGNN	3	24V DC	Dark gray	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-302FBWH-RYGNN	3	24V DC	Off-white	Continuous On and flashing	Yes	lead wire	Red, Amber, Green	3.8W	0.37kg
LS7-302SBWC-RYGNN	3	24V DC	Silver	Continuous On	Yes	M12 connector	Red, Amber, Green	4.1W	0.35kg
LS7-302SWC-RYGNN	3	24V DC	Silver	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302SWH-RYGNN	3	24V DC	Silver	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-302WC-RYGNN	3	24V DC	Off-white	Continuous On	None	M12 connector	Red, Amber, Green	2.8W	0.26kg
LS7-302WH-RYGNN	3	24V DC	Off-white	Continuous On	None	lead wire	Red, Amber, Green	2.8W	0.28kg
LS7-502BWC-RYGBC	5	24V DC	Off-white	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502DBWC-RYGBC	5	24V DC	Dark gray	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502DFBWH-RYGBC	5	24V DC	Dark gray	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502DWC-RYGBC	5	24V DC	Dark gray	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502DWH-RYGBC	5	24V DC	Dark gray	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg
LS7-502FBWH-RYGBC	5	24V DC	Off-white	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502SBWC-RYGBC	5	24V DC	Silver	Continuous On	Yes	M12 connector	Red, Amber, Green, Blue, White	6.0W	0.35kg
LS7-502SFBWH-RYGBC	5	24V DC	Silver	Continuous On and flashing	Yes	lead wire	Red, Amber, Green, Blue, White	5.7W	0.37kg
LS7-502SWC-RYGBC	5	24V DC	Silver	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502SWH-RYGBC	5	24V DC	Silver	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg
LS7-502WC-RYGBC	5	24V DC	Off-white	Continuous On	None	M12 connector	Red, Amber, Green, Blue, White	4.7W	0.26kg
LS7-502WH-RYGBC	5	24V DC	Off-white	Continuous On	None	lead wire	Red, Amber, Green, Blue, White	4.7W	0.28kg

Signal Tower

LGE



LGE Type: Continuous on
LGE-FB Type: Continuous on, flashing/alarm



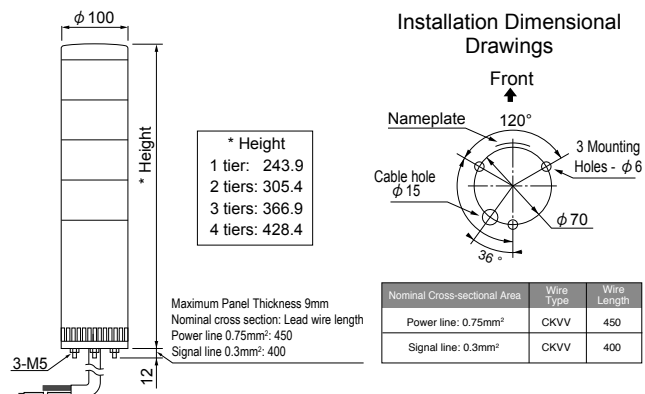
Model Number Configuration

LGE-402FB-RYGB

① ② ③ ④

- ① Number of Tiers
1 = 1 tier
2 = 2 tiers
3 = 3 tiers
4 = 4 tiers
- ② Rated Voltage
02 = 24V AC / DC
10 = 100V AC
20 = 220V AC
- ③ Flashing / Buzzer
None = No flashing, no buzzer
FB = With flashing and buzzer
- ④ Luminous Color
R = Red B = Blue
Y = Amber C = White
G = Green (Top to bottom)

Dimensions (mm)



Product List

Without Alarm				
Model Number	Rated Voltage	Number of Tiers	Power Consumption	Mass
LGE-102	24V AC/DC	1	2.0W	0.4kg
LGE-202		2	4.0W	0.6kg
LGE-302		3	6.0W	0.8kg
LGE-402	100V AC	4	8.0W	0.9kg
LGE-110		1	5.2W	1.0kg
LGE-210		2	7.7W	1.2kg
LGE-310	220 - 240V AC	3	10.2W	1.4kg
LGE-410		4	12.7W	1.5kg
LGE-120		1	5.2W	1.0kg
LGE-220	220 - 240V AC	2	7.7W	1.2kg
LGE-320		3	10.2W	1.4kg
LGE-420		4	12.7W	1.5kg

With Flashing (60 fpm) and Alarm				
Model Number	Rated Voltage	Number of tiers	Power Consumption	Mass
LGE-102FB	24V AC/DC	1	2.5W	0.4kg
LGE-202FB		2	4.5W	0.6kg
LGE-302FB		3	6.5W	0.8kg
LGE-402FB	100V AC	4	8.5W	0.9kg
LGE-110FB		1	5.7W	1.0kg
LGE-210FB		2	8.2W	1.2kg
LGE-310FB	220 - 240V AC	3	10.7W	1.4kg
LGE-410FB		4	13.2W	1.5kg
LGE-120FB		1	5.7W	1.0kg
LGE-220FB	220 - 240V AC	2	8.2W	1.2kg
LGE-320FB		3	10.7W	1.4kg
LGE-420FB		4	13.2W	1.5kg

Specification

Supported Transistor	NPN / PNP
Alarm Sound	1 type (Pipopipo)
Volume Control	Not adjustable

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-008
Wall Mount Bracket with Cover	SZ-023

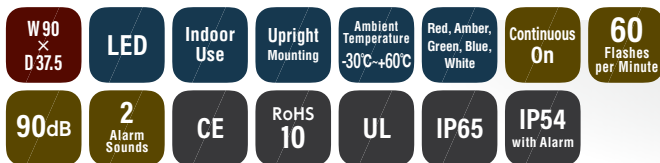
Optional Parts for Unit Reconfiguration

Product Name	Model Number
Red LED Unit	B32100004-1F1
Amber LED Unit	B32100004-2F1
Green LED Unit	B32100004-3F1
Blue LED Unit	B32100004-4F1
White LED Unit	B32100004-7F1

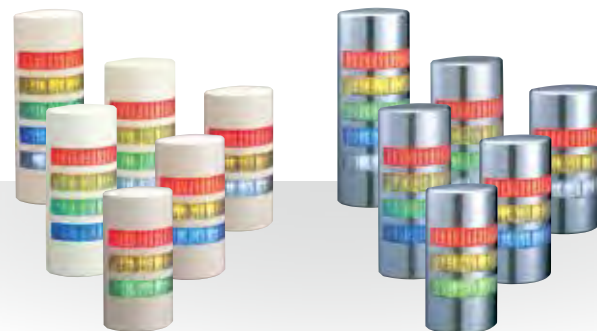
Product Name	Model Number
Center Shaft for 1-tier	B62910028-1F1
Center Shaft for 2-tiers	B62910028-2F1
Center Shaft for 3-tiers	B62910028-3F1
Center Shaft for 4-tiers	B62910028-4F1

Wall Mount Signal Tower

WEP/WE



*Clear lens. Lens is translucent when off.



Light gray

WEP Type: Continuous on
WEP-FB Type: Continuous on, flashing / alarm

Chrome-plated

WE Type: Continuous on
WE-FB Type: Continuous on, flashing / alarm

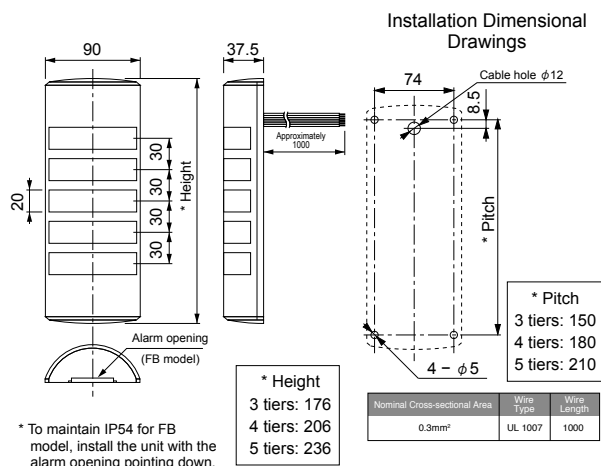
Model Number Configuration

WEP-502FB-RYGBC

① ② ③ ④ ⑤

① Model WE = Chrome-plated WEP = Light gray	③ Rated Voltage 02 = 24V AC / DC	⑤ Luminous Color R = Red B = Blue Y = Amber C = White G = Green (Top to bottom)
② Number of Tiers 3 = 3 tiers 5 = 5 tiers 4 = 4 tiers	④ Flashing / Buzzer None = No flashing, no buzzer FB = With flashing and buzzer	

Dimensions (mm)



* To maintain IP54 for FB model, install the unit with the alarm opening pointing down.

Specification

Supported Transistor	NPN / PNP
Alarm Sound	Buzzer 1 (Pipipi...), Buzzer 2 (Peee, peee, peee)
Volume Control	Not adjustable

Product List

Model Number	Cover	Number of Tiers	Rated Voltage	Function	Buzzer	Luminous Color	Power Consumption	Mass
WE/WEP-302-RYG	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, Green	1.9W	0.30kg
WE/WEP-302-RYB	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, Blue	1.9W	0.30kg
WE/WEP-302-RYC	Chrome-plated / Light gray	3	24V AC/DC	Continuous On	None	Red, Amber, White	1.9W	0.30kg
WE/WEP-302FB-RYG	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green	3.1W	0.30kg
WE/WEP-302FB-RYB	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Blue	3.1W	0.30kg
WE/WEP-302FB-RYC	Chrome-plated / Light gray	3	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, White	3.1W	0.30kg
WE/WEP-402-RYGB	Chrome-plated / Light gray	4	24V AC/DC	Continuous On	None	Red, Amber, Green, Blue	2.4W	0.33kg
WE/WEP-402-RYGC	Chrome-plated / Light gray	4	24V AC/DC	Continuous On	None	Red, Amber, Green, White	2.4W	0.33kg
WE/WEP-402FB-RYGB	Chrome-plated / Light gray	4	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	3.6W	0.33kg
WE/WEP-402FB-RYGC	Chrome-plated / Light gray	4	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, White	3.6W	0.33kg
WE/WEP-502-RYGBC	Chrome-plated / Light gray	5	24V AC/DC	Continuous On	None	Red, Amber, Green, Blue, White	2.9W	0.35kg
WE/WEP-502FB-RYGBC	Chrome-plated / Light gray	5	24V AC/DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	4.1W	0.35kg

LAN / USB /
PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms
and MP3 Voice
Annunciators

Hybrid Signaling
Devices

LED Illumination

Optional Parts

Wall Mount Signal Tower

WME-D

W70
×
D80.2

LED

Indoor
Use

Upright
Mounting

Ambient
Temperature
-10°C~+55°C

Red, Amber,
Green, Blue,
White

Change
Number
of Tiers

Continuous
On

60
Flashes
per Minute

93dB

2
Alarm
Sounds

CE

RoHS
10

UL

IP54



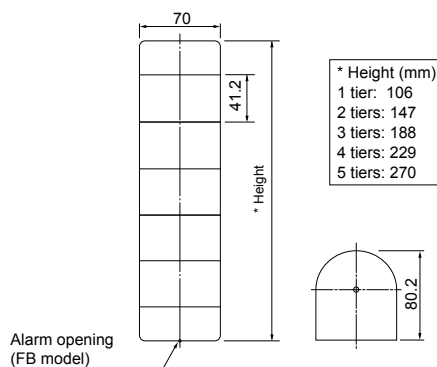
Model Number Configuration

WME-502DFB-RYGB C

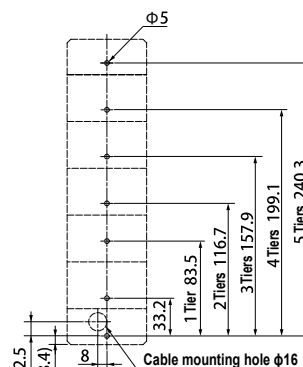
① ② ③ ④

① Number of Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers 5 = 5 tiers	② Rated Voltage O2 = 24V DC M2 = 100-240 V AC	③ Flashing / Buzzer None = No flashing, no buzzer FB = With flashing and buzzer	④ Luminous Color R = Red B = Blue Y = Amber C = White G = Green (Top to bottom)
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Dimensions (mm)



Installation Dimensional Drawings



	Nominal Cross-sectional Area	Wire Type	Wire Length
Power Supply Wire	0.2mm ²	UL1061	1100
Signal Wire	0.2mm ²	UL1061	1100

	Nominal Cross-sectional Area	Wire Type	Wire Length
Power Supply Wire	0.8mm ²	UL1015	1100
Signal Wire	0.2mm ²	UL1061	1100

* To maintain IP54 for FB model, install the unit with the alarm opening pointing down.
* A mounting bracket for appropriate number of tiers is included.

Specification

Supported Transistor	NPN / PNP
Alarm Sound	2 intermittent sounds. 1 (pipipi), 2 (peeee, peeee, peeee)
Volume Control	Not adjustable

Product List

Model Number	Number of Tiers	Rated Voltage	Function	Alarm	Luminous Color	Power Consumption	Mass
WME-102D-R	1	24V DC	Continuous On	None	Red	0.7W	0.28kg
WME-102D-Y	1	24V DC	Continuous On	None	Amber	0.9W	0.28kg
WME-102D-G	1	24V DC	Continuous On	None	Green	0.5W	0.28kg
WME-102DFB-R	1	24V DC	Continuous On and flashing	Yes	Red	1.9W	0.28kg
WME-102DFB-Y	1	24V DC	Continuous On and flashing	Yes	Amber	2.1W	0.28kg
WME-102DFB-G	1	24V DC	Continuous On and flashing	Yes	Green	1.7W	0.28kg
WME-1M2D-R	1	100 - 240V AC	Continuous On	None	Red	1.1W	0.35kg
WME-1M2D-Y	1	100 - 240V AC	Continuous On	None	Amber	1.2W	0.35kg
WME-1M2D-G	1	100 - 240V AC	Continuous On	None	Green	0.9W	0.35kg
WME-1M2DFB-R	1	100 - 240V AC	Continuous On and flashing	Yes	Red	12.3W	0.35kg
WME-1M2DFB-Y	1	100 - 240V AC	Continuous On and flashing	Yes	Amber	2.4W	0.35kg
WME-1M2DFB-G	1	100 - 240V AC	Continuous On and flashing	Yes	Green	2.1W	0.35kg
WME-202D-RY	2	24V DC	Continuous On	None	Red, Amber	1.6W	0.37kg
WME-202DFB-RY	2	24V DC	Continuous On and flashing	Yes	Red, Amber	2.8W	0.37kg
WME-2M2D-RY	2	100 - 240V AC	Continuous On	None	Red, Amber	2.3W	0.44kg
WME-2M2DFB-RY	2	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber	3.5W	0.44kg
WME-302D-RYG	3	24V DC	Continuous On	None	Red, Amber, Green	2.1W	0.46kg
WME-302DFB-RYG	3	24V DC	Continuous On and flashing	Yes	Red, Amber, Green	3.3W	0.46kg
WME-3M2D-RYG	3	100 - 240V AC	Continuous On	None	Red, Amber, Green	3.2W	0.53kg
WME-3M2DFB-RYG	3	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green	4.4W	0.53kg
WME-402D-RYGB	4	24V DC	Continuous On	None	Red, Amber, Green, Blue	3.0W	0.55kg
WME-402DFB-RYGB	4	24V DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	4.2W	0.55kg
WME-4M2D-RYGB	4	100 - 240V AC	Continuous On	None	Red, Amber, Green, Blue	4.5W	0.62kg
WME-4M2DFB-RYGB	4	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green, Blue	5.7W	0.62kg
WME-502D-RYGBC	5	24V DC	Continuous On	None	Red, Amber, Green, Blue, White	3.9W	0.64kg
WME-502DFB-RYGBC	5	24V DC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	5.1W	0.64kg
WME-5M2D-RYGBC	5	100 - 240V AC	Continuous On	None	Red, Amber, Green, Blue, White	5.8W	0.71kg
WME-5M2DFB-RYGBC	5	100 - 240V AC	Continuous On and flashing	Yes	Red, Amber, Green, Blue, White	7.0W	0.71kg

Optional Parts for Unit Reconfiguration

Product Name	Model Number
Head Cover	B32310087-F1*
Red LED Unit	B72100259-1F1*
Amber LED Unit	B72100259-2F1*
Green LED Unit	B72100259-3F1*
Blue LED Unit	B72100259-4F1*
White LED Unit	B72100259-7F1*
Center Shaft for 1-tier	S33552120-0455F1
Center Shaft for 2-tier	S33552120-04100F1

* Not compatible with WME-A Series-LED units and head cover.

Product Name	Model Number
Center Shaft for 3-tier	S33552120-04140F1
Center Shaft for 4-tier	S33552120-04180F1
Center Shaft for 5-tier	S33552120-04220F1
Mounting Bracket for 1-tier	B85130021-5F1
Mounting Bracket for 2-tier	B85130021-4F1
Mounting Bracket for 3-tier	B85130021-3F1
Mounting Bracket for 4-tier	B85130021-2F1
Mounting Bracket for 5-tier	B85130021-1F1

Signal Tower

EDLR

LED

Indoor/
Outdoor
UseAmbient
Temperature
-20°C~+50°CRed, Amber,
GreenContinuous
On60
Flashes
per MinuteRoHS
10

IP66



24V DC



100V - 240V AC

Model Number Configuration

EDLR-302F-RYG

①

②

① Rated Voltage

02 = 24V DC

M2 = 100 - 240 V AC

② Luminous Color

RYG = Red, Amber, Green

Specification

Supported Transistor

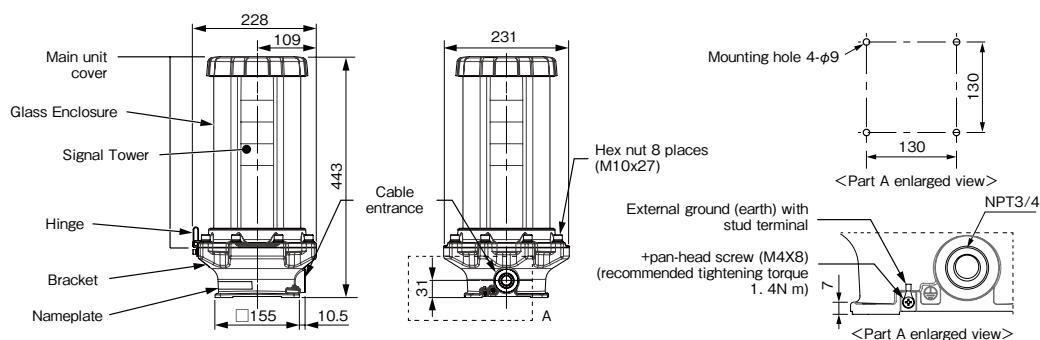
02: NPN/PNP; M2: NPN

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Cable Gland	REL-001 (Supports Φ7-12mm cable diameters)

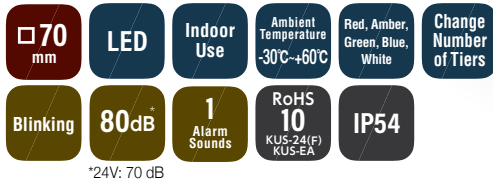
Dimensions (mm)



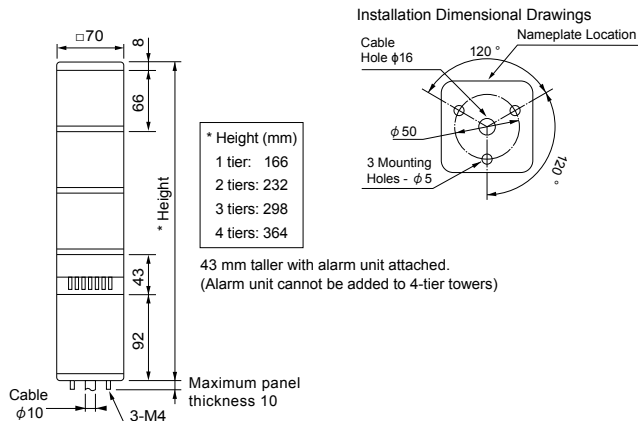
Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption	Mass
EDLR-302F-RYG	3	24V DC	Red, Amber, Green	3.9W	9kg
EDLR-3M2F-RYG	3	100 - 240V AC	Red, Amber, Green	5.4W	9kg

KUS



Dimensions (mm)



Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Assembly with L-Bracket	SZ-40L
Pole Assembly with Circular Bracket	SZ-40T
Wall Mount Bracket	SZ-007

Specification

Supported Transistor	NPN / PNP
Alarm Sound	1 sound (Pipopipo) [When using the buzzer unit]
Volume Control	Rotating switch

Product List

[KUS Base Unit]

Model Number	Rated Voltage	Function	Power Consumption	Mass
KUS-24	24V AC/DC	Continuous On	21W	0.4kg
KUS-24C	24V AC/DC	Continuous on, open collector	21W	0.4kg
KUS-24F	24V AC/DC	Continuous On and flashing	21W	0.4kg
KUS-24FC	24V AC/DC	Continuous on, flashing, open collector	21W	0.4kg
KUS-100	100V AC	Continuous On	21W	0.8kg
KUS-100C	100V AC	Continuous on, open collector	21W	0.8kg
KUS-100F	100V AC	Continuous On and flashing	21W	0.8kg
KUS-100FC	100V AC	Continuous on, open collector	21W	0.8kg
KUS-220	220V AC	Continuous On	21W	0.8kg
KUS-220C	220V AC	Continuous on, open collector	21W	0.8kg
KUS-220F	220V AC	Continuous On and flashing	21W	0.8kg
KUS-220FC	220V AC	Continuous on, open collector	21W	0.8kg

* When purchasing, specify Display Unit, Buzzer Unit and Base Unit (power supply unit).

[KUS Light Unit]

Model Number	Rated Voltage	Function	Luminous Color	Power Consumption	Mass
KUS-EA-R/Y/G/B/C	24V DC	LED	Red / Amber / Green / Blue / White	R, Y: 1.2W / G, B, C: 0.95W	0.14kg
KUS-S-R/Y/G/B/C	24V DC	Incandescent bulb	Red / Amber / Green / Blue / White	6.00W	0.2kg

Incandescent bulb shape: Glass bulb G14, base BA9S ● Power supplied from Base Unit

[KUS Alarm Unit]

Model Number	Rated Voltage	Function	Power Consumption	Mass
KUS-B	24V DC	Alarm	0.5W	0.2kg

● Light Units can be used with any Base Units. ● Power is supplied from the Base Unit

Signal Beacon

SL

New



R : Red Y : Amber G : Green B : Blue



2-point hole mounting, terminal block without buzzer. (3-point mounting hole for SL15)



2-point hole mounting, terminal block with buzzer

Φ80 mm	Φ100 mm	Φ150 mm	LED	Indoor/Outdoor Use	Upright/Sideways*/Inverted* Mounting	Ambient Temperature -20℃~+50℃
Red, Amber, Green, Blue	88dB	CE	RoHS 10	UL	FCC	ICES
SL08: 86dB						
KC	EAC	PSE	IP23 (JN)	IP66 (KT)	NEMA TYPE 4X,13	

*Indoor only



SL08: Φ80mm

SL10: Φ100mm

SL15: Φ150mm

● Use the optional rubber gasket to increase the IP rating from IP23 to IP65. (SL08, SL10 only)

Model Number Configuration

SL08-M1KTB-R

①

②

③

④

① Size 08 = Φ80mm 10 = Φ100mm 15 = Φ150mm ^{*1}	② Rated Voltage M1 = 12 - 24V DC M2 = 100 - 240V AC	③ Mounting / Wiring / Buzzer JN: 3-point bolt mounting / Cable / None KTN: 2-point hole mounting ^{*2} / Terminal block / None KTB: 2-point hole mounting / Terminal block / Buzzer	④ Color R = Red Y = Amber G = Green B = Blue ^{*1} JN / KTN only ^{*2} For SL15, 3-point hole mounting
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Specification

Supported Transistors	NPN	Alarm Sound	Single tone	Volume Control	None
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Product List

Model Number	Size (mm)	Rated Voltage	Wiring and Mounting	Alarm	Luminous Color	Power Consumption	Mass
SL08-M1JN-R/Y/G/B	Φ80	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	2.9W	0.25kg
SL08-M1KTN-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	2.9W	0.23kg
SL08-M1KTB-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.4W	0.24kg
SL08-M2JN-R/Y/G/B	Φ80	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	3.1W	0.28kg
SL08-M2KTN-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	3.1W	0.26kg
SL08-M2KTB-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.5W	0.27kg
SL10-M1JN-R/Y/G/B	Φ100	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	2.9W	0.37kg
SL10-M1KTN-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	2.9W	0.36kg
SL10-M1KTB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.4W	0.37kg
SL10-M2JN-R/Y/G/B	Φ100	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	3.1W	0.40kg
SL10-M2KTN-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red/ Amber/Green/Blue	3.1W	0.38kg
SL10-M2KTB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red/ Amber/Green/Blue	3.5W	0.40kg
SL15-M1JN-R/Y/G/B	Φ150	12 - 24V DC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	4.8W	0.86kg
SL15-M1KTN-R/Y/G/B	Φ150	12 - 24V DC	Push-in terminal block, 3-point hole mounting	None	Red/ Amber/Green/Blue	4.8W	0.86kg
SL15-M2JN-R/Y/G/B	Φ150	100 - 240V AC	Cable, 3-point bolt mounting	None	Red/ Amber/Green/Blue	5.6W	0.89kg
SL15-M2KTN-R/Y/G/B	Φ150	100 - 240V AC	Push-in terminal block, 3-point hole mounting	None	Red/ Amber/Green/Blue	5.6W	0.89kg

Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

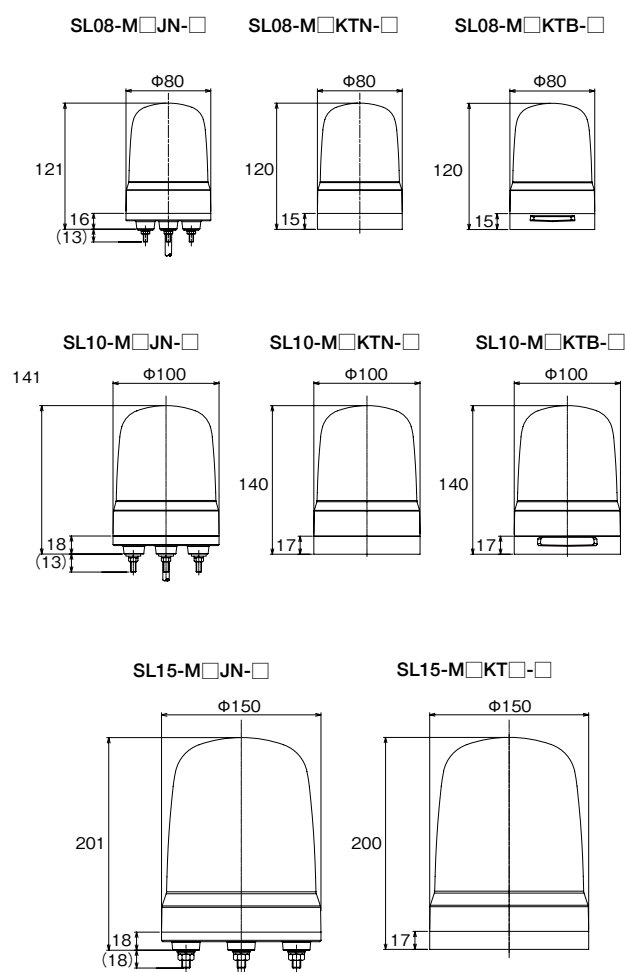
Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101
Wall Mount Bracket	SZK-102
Wall Mount Bracket	SZK-103
Cover for Wall Mount Bracket	SZK-104
Cover for Wall Mount Bracket	SZK-105
Wall Mount Bracket	SZ-007
Wall Mount Bracket	SZ-008
Wall Mount Bracket	SZ-023

Product Name	Model Number
Ceiling Mounting Bracket	SZW-101
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-103
Pole Mount Bracket	SZP-101
1/2 in. NPT Bracket	SZP-102
1/2 in. NPT Bracket	SZP-103
1/2 in. NPT Bracket	SZP-104

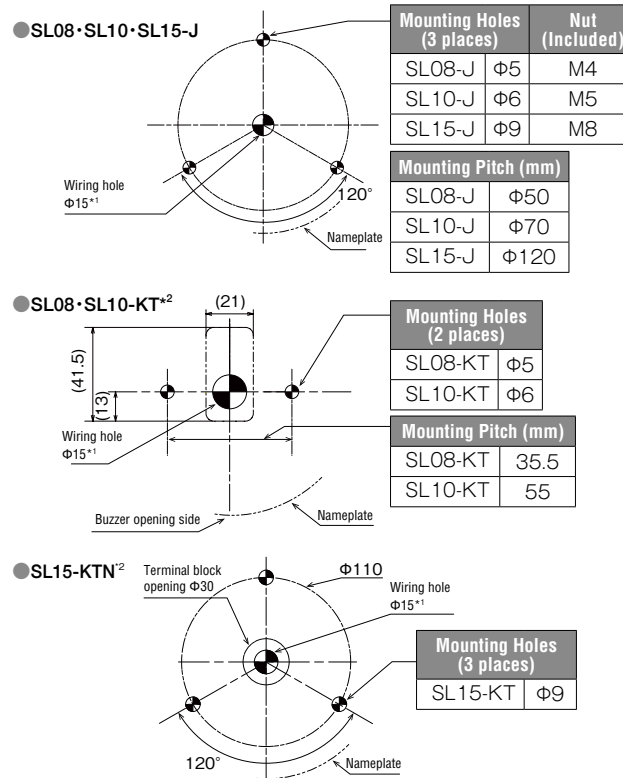
Light Pattern

CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
OFF	OFF	ON	OFF	OFF	ON	ON	ON
Lights off		Continuous On		Blinking		Triple Flash	

Dimensions (mm)



Mounting Dimensional Drawing (mm)



Model	Screw / Nut	Recommended Tightening Torque
SL08	M4	0.7 N·m
SL10	M5	1.4 N·m
SL15	M8	6.0 N·m

* 1 Adjust hole size as needed.

* 2 Mounting screws not included.

Rotating Beacon

SK

New



R: Red Y: Amber G: Green B: Blue



● Use the optional rubber gasket to increase the IP rating from IP23 to IP65. (SKS, SKH only)

Model Number Configuration

SKH-M1JB-R

① ② ③ ④

① Size
S = Φ80mm
H = Φ100mm
P = Φ150mm

② Rated Voltage / Wiring
M1J = 12 - 24V DC / cable
M1T = 12 - 24V DC / terminal block*
M2J = 100 - 240V AC / cable
M2T = 100 - 240V AC / terminal block*

③ Buzzer
None = None
B = Buzzer*

④ Color
R = Red, Y = Amber
G = Green, B = Blue

* SKH: Φ100mm only

Specification

Supported Transistors	None	Alarm Sound	Single tone	Volume Control	None
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Product List

Model	Size (mm)	Rated Voltage	Wiring	Alarm	Luminous Color	Power Consumption	Mass
SKS-M1J-R/Y/G/B	Φ80	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.24kg
SKS-M2J-R/Y/G/B	Φ80	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.27kg
SKH-M1J-R/Y/G/B	Φ100	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.33kg
SKH-M1JB-R/Y/G/B	Φ100	12 - 24V DC	Cable	Yes	Red/ Amber/Green/Blue	3.6W	0.34kg
SKH-M1T-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block	None	Red/ Amber/Green/Blue	2.9W	0.30kg
SKH-M1TB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block	Yes	Red/ Amber/Green/Blue	3.6W	0.31kg
SKH-M2J-R/Y/G/B	Φ100	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.36kg
SKH-M2JB-R/Y/G/B	Φ100	100 - 240V AC	Cable	Yes	Red/ Amber/Green/Blue	3.3W	0.37kg
SKH-M2T-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block	None	Red/ Amber/Green/Blue	3.0W	0.33kg
SKH-M2TB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block	Yes	Red/ Amber/Green/Blue	3.3W	0.34kg
SKP-M1J-R/Y/G/B	Φ150	12 - 24V DC	Cable	None	Red/ Amber/Green/Blue	2.9W	0.67kg
SKP-M2J-R/Y/G/B	Φ150	100 - 240V AC	Cable	None	Red/ Amber/Green/Blue	3.0W	0.70kg

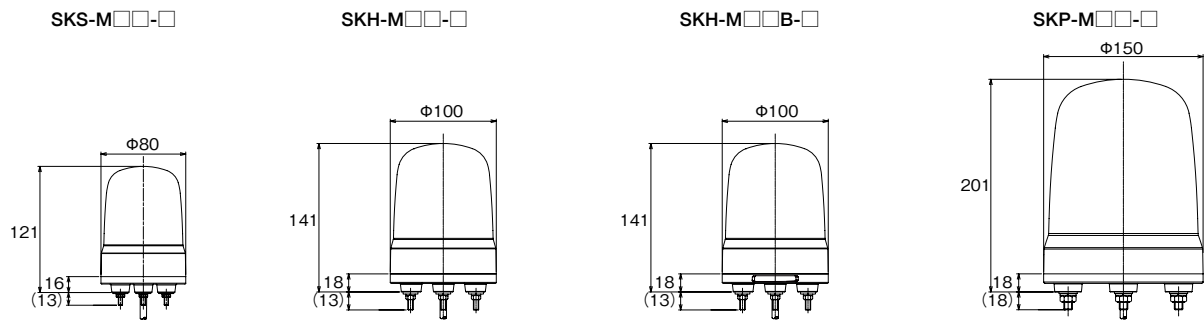
Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

Optional Parts

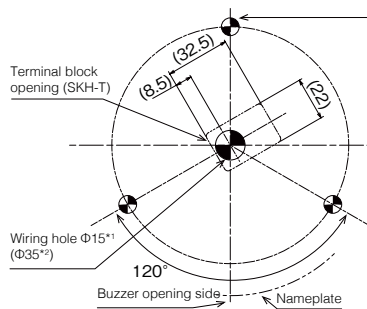
For details refer to P. 93 to P. 98

Product Name	Model Number	Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101	Ceiling Mount Bracket	SZW-101
Wall Mount Bracket	SZK-102	Mounting Rubber Gasket	SZW-102
Wall Mount Bracket	SZK-103	Mounting Rubber Gasket	SZW-102
Cover for Wall Mount Bracket	SZK-104	Mounting Rubber Gasket	SZW-103
Cover for Wall Mount Bracket	SZK-105	Pole Mount Bracket	SZP-101
Wall Mount Bracket	SZ-007	1/2 in. NPT Bracket	SZP-102
Wall Mount Bracket	SZ-008	1/2 in. NPT Bracket	SZP-103
Wall Mount Bracket	SZ-023	1/2 in. NPT Bracket	SZP-104

Dimensions (mm)



Mounting Dimensional Drawing (mm)



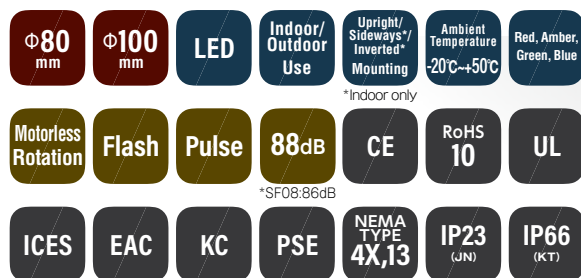
Mounting Holes (3 places)		Nut (Included)
SKS	Φ5	M4
SKH	Φ6	M5
SKP	Φ9	M8

Mounting Pitch	
SKS	Φ50
SKH	Φ70
SKP	Φ120

Series	Nut	Recommended Tightening Torque
SKS	M4	0.7 N·m
SKH	M5	1.4 N·m
SKP	M8	6.0 N·m

- * 1 Adjust hole size as needed.
 * 2 Cord specifications with AC power plug

Multi-Function Beacon

SF **New**

● The IP rating on the IP23 type can be increased by using the optional rubber gasket.

Model Number Configuration

SF10-M1KTB-R

①

②

③

④

① Size 08 = Φ80mm 10 = Φ100mm	② Rated Voltage M1 = 12-24V DC M2 = 100-240V AC	③ Mounting / Wiring / Buzzer JN: 3-point bolt mounting / Cable / None KTN: 2-point hole mounting / Terminal block / None KTB: 2-point hole mounting / Terminal block / Buzzer	④ Color R = Red G = Green Y = Amber B = Blue
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Specification

Supported Transistors NPN

Alarm Sound Single tone (peak)

Volume Control None

Product List

Model Number	Size (mm)	Rated Voltage	Wiring and Mounting	Alarm	Luminous Color	Power Consumption	Mass
SF08-M1JN-R/Y/G/B	Φ80	12 - 24V DC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	7.7W	0.27kg
SF08-M1KTN-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	7.7W	0.24kg
SF08-M1KTB-R/Y/G/B	Φ80	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.2W	0.25kg
SF08-M2JN-R/Y/G/B	Φ80	100 - 240V AC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	8.5W	0.3kg
SF08-M2KTN-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	8.5W	0.27kg
SF08-M2KTB-R/Y/G/B	Φ80	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.8W	0.28kg
SF10-M1JN-R/Y/G/B	Φ100	12 - 24V DC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	7.7W	0.40kg
SF10-M1KTN-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	7.7W	0.39kg
SF10-M1KTB-R/Y/G/B	Φ100	12 - 24V DC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.2W	0.40kg
SF10-M2JN-R/Y/G/B	Φ100	100 - 240V AC	Cable, 3-point bolt mounting	None	Red / Amber / Green / Blue	8.5W	0.43kg
SF10-M2KTN-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	None	Red / Amber / Green / Blue	8.5W	0.42kg
SF10-M2KTB-R/Y/G/B	Φ100	100 - 240V AC	Push-in terminal block, 2-point hole mounting	Yes	Red / Amber / Green / Blue	8.8W	0.43kg

Note: This product not for vehicle use. Please select a compatible product such as the RLR or LFH type.

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Waterproof Bracket	SZK-101
Wall Mount Bracket	SZK-102
Cover for Wall Mount Bracket	SZK-104
Wall Mount Bracket	SZ-007
Wall Mount Bracket	SZ-008
Wall Mount Bracket	SZ-023

Product Name	Model Number
Ceiling Mount Bracket	SZW-101
Mounting Rubber Gasket	SZW-102
Mounting Rubber Gasket	SZW-103
Pole Mount Bracket	SZP-101
1/2 in. NPT Bracket	SZP-102
1/2 in. NPT Bracket	SZP-103

Wide Light Pattern Selection

Select from 22 light patterns to indicate various statuses at your work place.
The light pattern can easily be configured by adjusting the rotary switch and wiring channels.

Rotary switch	wiring		CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
			OFF	OFF	ON	OFF	OFF	ON	ON	ON
0			Off		Rotating (120 rpm)		Triple-flash		Rotating (120 rpm)	
1			Off		Rotating (180 rpm)		Triple-flash		Rotating (180 rpm)	
2			Off		Triple-flash		Pulse pattern		Triple-flash	
3			Off		Rotating (60 rpm)		Rotation (120 rpm)		Rotating (180 rpm)	
4			Off		Single-flash		Double-flash		Triple-flash	
5			Triple-flash		Triple-flash		Triple-flash		Triple-flash	
6			Pulse pattern		Pulse pattern		Pulse pattern		Pulse pattern	
7			Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)		Rotating (60 rpm)	
8			Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)		Rotating (120 rpm)	
9			Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)		Rotating (180 rpm)	

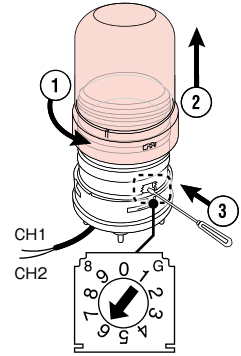


= Dimmed



= One side illuminated

Video of light patterns:

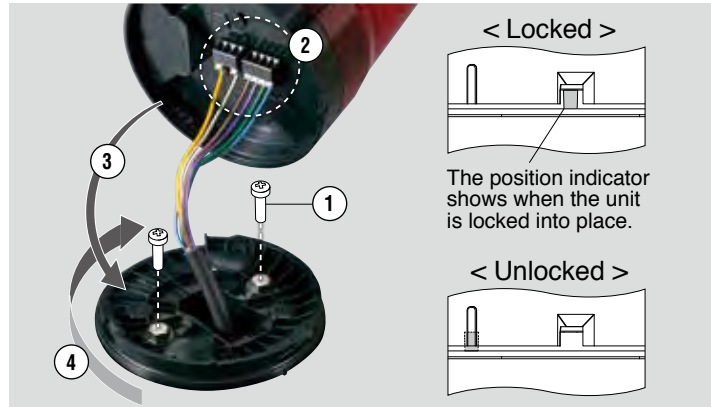


Easy Mounting

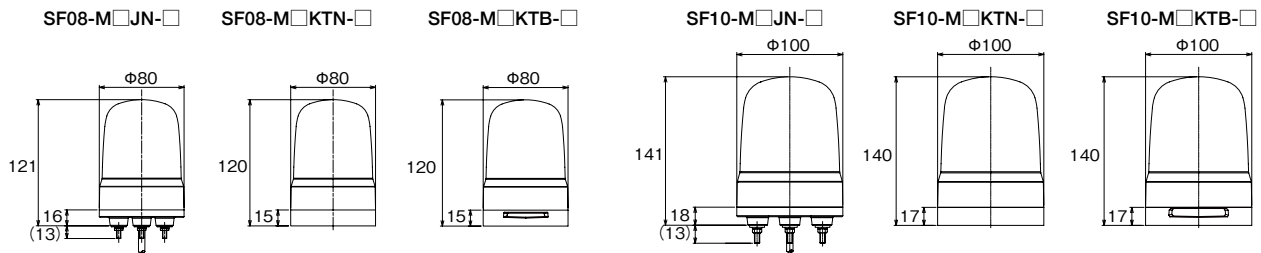
IP66 rating (KT type)

- 1 Screw in the mounting bracket
- 2 Connect wires to the push-in terminal block
- 3 Mount the body onto the mounting bracket
- 4 Lock into place

Mounting video

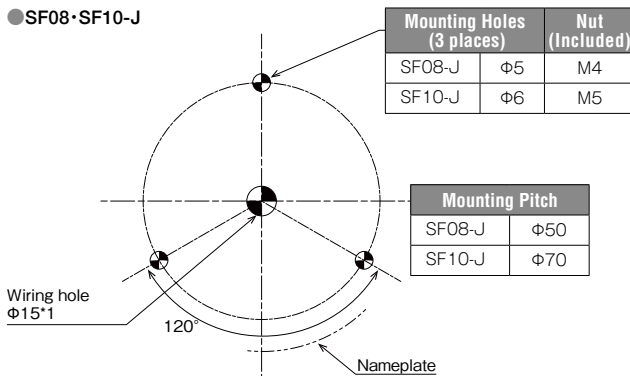


Dimensions (mm)

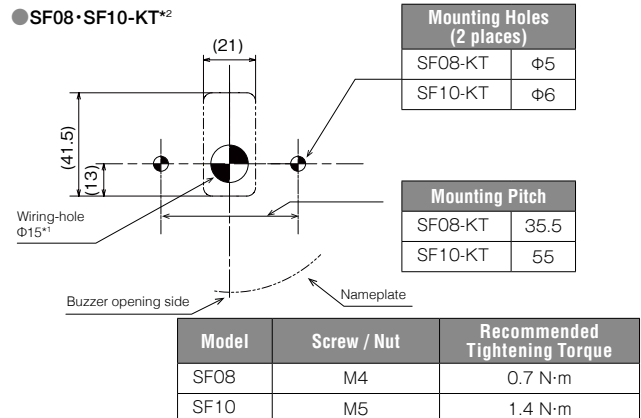


Mounting Dimensional Drawing (mm)

●SF08·SF10-J



●SF08·SF10-KT*2



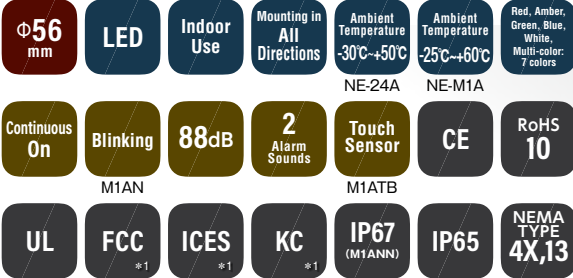
* 1 Adjust hole size as needed.

* 2 Mounting screws not included.

Signal Beacon

NE-A

New



*1. NE-M1A only



Model Number Configuration

NE-24A-R

① ②

① Rated Voltage
24 = 24V DC

② Color
R = Red B = Blue
Y = Amber C = White
G = Green

NE-M1ATB-M

① ② ③ ④

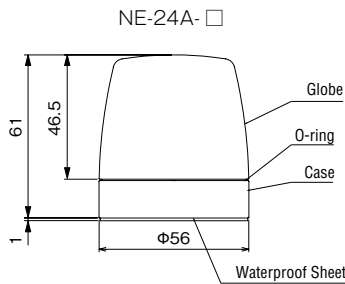
① Rated Voltage
M1 = 12 - 24V DC

② Touch sensor
T = Touch sensor
N = No touch sensor

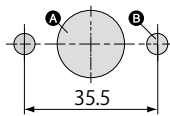
③ Buzzer
B = Buzzer
N = No Buzzer

④ Color
M = Multi-color

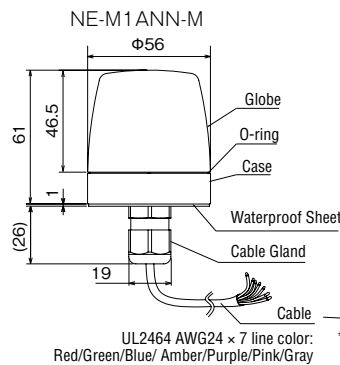
Dimensions (mm)



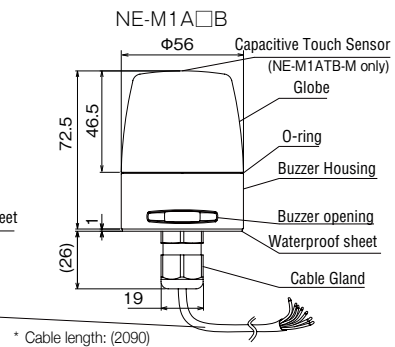
A Cable exit hole (Φ16)
With cable gland (Φ26)



B Mounting screw holes (2-Φ4.5)
M4 screws
(Tightening torque : 0.6N · m)



UL2464 AWG24 × 7 line color:
Red/Green/Blue/ Amber/Purple/Pink/Gray



* Cable length: (2090)

Product List

Model Number	Rated Voltage	Touch Sensor	Alarm	Luminous Color	Power Consumption	Mass
NE-24A-R	24V DC	None	None	Red	0.7W	0.06kg
NE-24A-Y	24V DC	None	None	Amber	0.7W	0.06kg
NE-24A-G	24V DC	None	None	Green	0.7W	0.06kg
NE-24A-B	24V DC	None	None	Blue	0.7W	0.06kg
NE-24A-C	24V DC	None	None	White	0.7W	0.06kg
NE-M1ANN-M	12 - 24V DC	None	None	Multi-color (7 colors)	1.2W	0.15kg
NE-M1ANB-M	12 - 24V DC	None	Yes	Multi-color (7 colors)	1.8W	0.17kg
NE-M1ATB-M	12 - 24V DC	Yes	Yes	Multi-color (7 colors)	1.8W	0.17kg

Specification

Supported Transistors	24 : NPN/PNP, M1 : NPN
Alarm Sound	2 sounds (Intermittent, continuous)
Volume Control	None

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Pole Bracket	NE-001D
Wall Mount Bracket	NE-002D

Rotating Beacon

RLR



Model Number Configuration

RLR-04-P-R

① ② ③

① Rated Voltage
04 = 48V DC
M1 = 12/24V DC
M2 = 100 - 240V AC

② Mounting Pitch
None = Φ140
P = Φ120

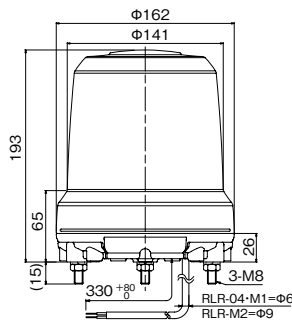
③ Luminous Color
R = Red
Y = Amber
G = Green
B = Blue

Optional Parts

For details refer to P. 93 to P. 98

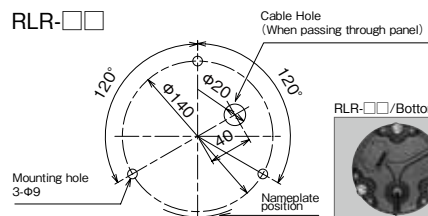
Part Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008

Dimensions (mm)



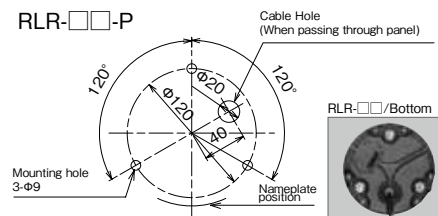
Mounting Surface Dimensions

RLR-□□



※Caution※
If waterproofing is required, apply waterproofing treatment when wiring.
If improperly treated, moisture may enter from the end of the power line.

RLR-□□-P



Nominal cross-sectional area: Line type
RLR-04/M1 : 0.5mm²: HVCTF
RLR-M2 : 0.75mm²: VCT

Product List

Model Number	Rated Voltage	Mounting Pitch	Luminous Color	Power Consumption	Mass
RLR-M1-R/Y/G/B	12V / 24V DC	Φ140	Red / Amber / Green / Blue	7.6W	1.0kg
RLR-04-R/Y/G/B	48V DC	Φ140	Red / Amber / Green / Blue	8.2W	1.0kg
RLR-M2-R/Y/G/B	100 - 240V AC	Φ140	Red / Amber / Green / Blue	7.8W	1.06kg
RLR-M1-P-R/Y/G/B	12V / 24V DC	Φ120	Red / Amber / Green / Blue	7.6W	1.0kg
RLR-04-P-R/Y/G/B	48V DC	Φ120	Red / Amber / Green / Blue	8.2W	1.0kg
RLR-M2-P-R/Y/G/B	100 - 240V AC	Φ120	Red / Amber / Green / Blue	7.8W	1.06kg

Signal Beacon

LFH

Φ100 mm	LED	Indoor/Outdoor Use	Upright/Sideways/Inverted Mounting	Ambient Temperature -30°C~+70°C DC specification	Ambient Temperature -20°C~+60°C AC specifications	Red, Amber, Green, Blue, White	Vibration resistance 90 m/s² (Excluding LFH-M2)
110 Flashes per Minute (LFH)	140 Flashes per Minute (LFH-S)	CE Excluding LFH-S/LFH-48	RoHS 10	UL Excluding LFH-S	FCC Excluding LFH-S	IP66	



Model Number Configuration

LFH-12S-R

① ② ③

① Rated Voltage
12 = 12V DC
24 = 24V DC
48 = 48V DC
M2 = 100/120/200/230V AC

② Number of Flashes
None = 110 ± 10 fpm
S = 140 ± 14 fpm

③ Color
R = Red B = Blue
Y = Amber C = White
G = Green

Product List

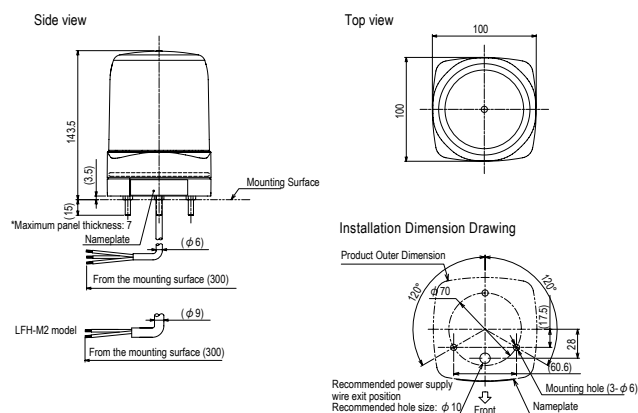
Model Number	Rated Voltage	Number of Flashes (fpm)	Luminous Color	Power Consumption	Mass
LFH-12-R/Y/G/B/C	12V DC	110	Red / Amber / Green / Blue / White	6.0W	0.57kg
LFH-24-R/Y/G/B/C	24V DC	110	Red / Amber / Green / Blue / White	5.5W	0.57kg
LFH-48-R/Y/G/B/C	48V DC	110	Red / Amber / Green / Blue / White	7.5W	0.57kg
LFH-M2-R/Y/G/B/C	100/120/200/230V AC	110	Red / Amber / Green / Blue / White	6.8W	0.61kg
LFH-12S-R/Y/G/B/C	12V DC	140	Red / Amber / Green / Blue / White	6.0W	0.57kg
LFH-24S-R/Y/G/B/C	24V DC	140	Red / Amber / Green / Blue / White	5.5W	0.57kg
LFH-48S-R/Y/G/B/C	48V DC	140	Red / Amber / Green / Blue / White	7.5W	0.57kg

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

Dimensions (mm)



Signal Beacon

REL

IP65

LED

Indoor/
Outdoor
UseUpright/
Sideways/
Inverted*
MountingAmbient
Temperature
-20°C~+55°C

Red, Amber

*Indoor only

110
Flashes
per Minute

(M2, 24V DC)

140
Flashes
per Minute

(48V DC)



Model Number Configuration

REL-24-R

①

②

① Rated Voltage

24 = 24V DC

48 = 48V DC*

M2 = 100-230V AC (50/60Hz)

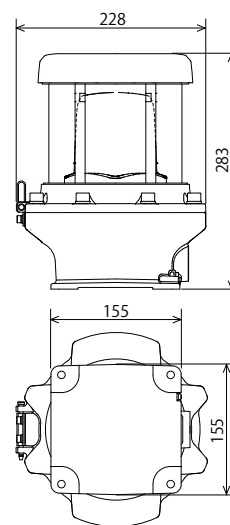
*48V DC only available in amber (-Y)

② Luminous Color

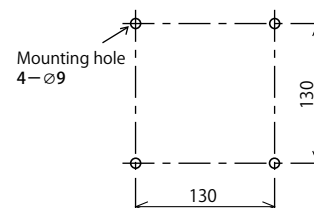
R = Red

Y = Amber

Dimensions (mm)



<Mounting dimensional drawing>



Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Cable Gland	REL-001 (Applicable cable diameter: 7 to 12mm)

Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
REL-24-R/Y	24V DC	Red/ Amber	5.5W	7.2kg
REL-48-Y	48V DC	Amber	7.5W	7.2kg
REL-M2-R/Y	100 ~ 230V AC	Red/ Amber	6.8W	7.2kg

Warning Light

LPT

New

LED

Indoor/
Outdoor
UseMounting in
All
DirectionsAmbient
Temperature
-30°C~+75°CRed, Amber,
Green, BlueVibration
resistance
90m/s²400
Flashes
per Minute67
Flashes
per MinuteTriple,
Extreme
warningBlinking
ModeConnect
up to
20 units

CE

RoHS
10

FCC

IP68

NEMA
TYPE
4X,13

LPT-2M1

LPT-1M1



R: Red

Y: Amber

G: Green

B: Blue



R: Red

Y: Amber

G: Green

B: Blue

Model Number Configuration

LPT-1M1-R

①

②

① Size

1 = 86.0 × 28.0 (mm)

2 = 114.4 × 43.4 (mm)

② Luminous Color

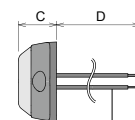
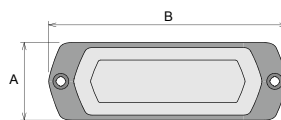
R = Red

G = Green

Y = Amber

B = Blue

Dimensions (mm)

Lead wires (stripped tips) : AVS 0.5mm² × 4

Model Number	A	B	C	D
LPT-1M1-□	28.0	86.0	13.5	500
LPT-2M1-□	43.4	114.4	13.5	500

Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
LPT-1M1-R	12 - 24V DC	Red	3.6W	0.072kg
LPT-1M1-Y	12 - 24V DC	Amber	3.6W	0.072kg
LPT-1M1-G	12 - 24V DC	Green	7.2W	0.072kg
LPT-1M1-B	12 - 24V DC	Blue	6.0W	0.072kg
LPT-2M1-R	12 - 24V DC	Red	13.2W	0.13kg
LPT-2M1-Y	12 - 24V DC	Amber	13.2W	0.13kg
LPT-2M1-G	12 - 24V DC	Green	15.6W	0.13kg
LPT-2M1-B	12 - 24V DC	Blue	14.4W	0.13kg

Feature

■ High Reliability

- Visible from great distances
- High vibration resistance, 90m/s²
- IP68 dust-proof, water-proof protection



■ Various Light Patterns

Triple Flash	
Extreme Warning Flash	
Continuous On	
Blinking	

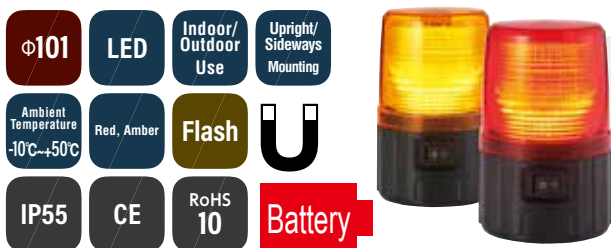
The following can be changed according to preset settings *

- Flash pattern
- Simultaneous or alternating flash (when multiple units are connected)

* Factory default: Triple-flash, simultaneous flash

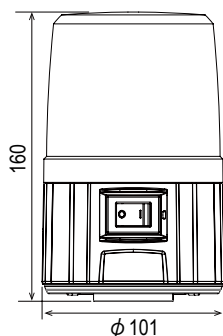
Battery-powered Signal Beacon

PFH

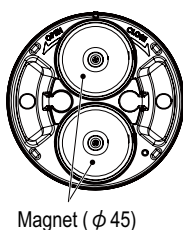


Dimensions (mm)

Side view



Bottom view

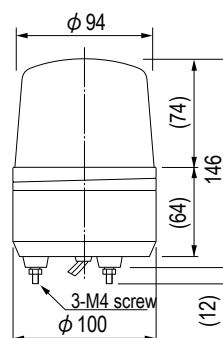


Small Rotating Beacon

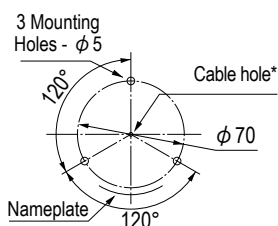
SKH-EA



Dimensions (mm)



Installation Dimension Drawings

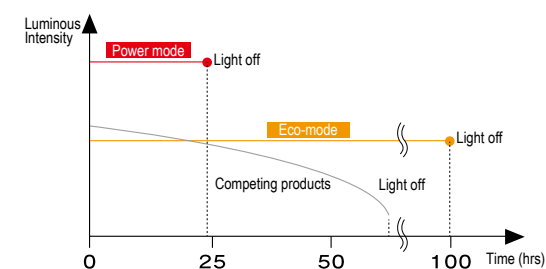
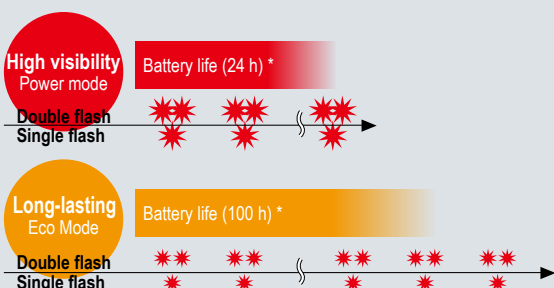


*To pass a 100V plug a Φ30 cable hole is required.

Product List

Model Number	Power Supply	Luminous Color	Mass
PFH-BT-R/Y	4 AA alkaline or nickel metal hydride batteries	Red/Amber	0.51 kg (without batteries)

- Change flash pattern or lighting mode as conditions change such as indoor/outdoor or day/night.



As the battery wears out the light will not dim but visibility and brightness are maintained until the end.

Product List

Model Number	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption	Mass
SKH-12EA-R/Y/G/B	12V DC	12V 10W	9	Red/ Amber/ Green/Blue	9.6W	0.4kg
SKH-24EA-R/Y/G/B	24V DC	24V 10W	10	Red/ Amber/ Green/Blue	12.0W	0.4kg
SKH-100EA-R/Y/G/B	100V AC	12V 5W	12	Red/ Amber/ Green/Blue	6.2W	0.6kg
SKH-200EA-R/Y/G/B	200V AC	12V 5W	12	Red/ Amber/ Green/Blue	6.5W	0.6kg

Bulb shape: Halogen bulb cap BA15S

Bulb No.	Model Number
9	D01201003A-F1
10	D02401003A-F1
12	D01200503A-F1

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

Rotating Signal Tower

KES/KESB



KES Type
KESB Type (with buzzer)

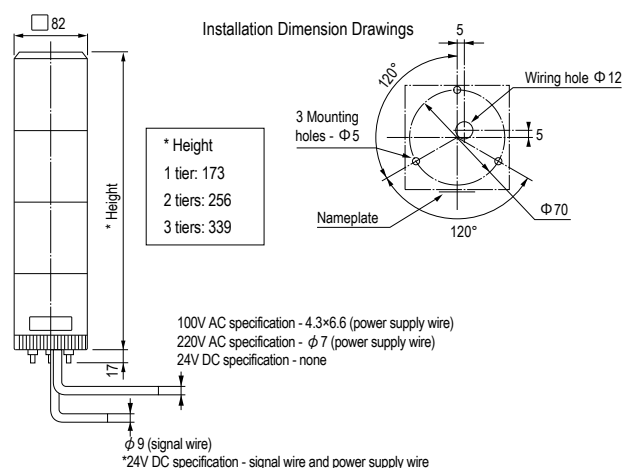
Model Number Configuration

KESB-302-RYG

① ② ③ ④

① Buzzer None = None B = Buzzer	② Number of Tiers 1 = 1 Tier 2 = 2 Tiers 3 = 3 Tiers	③ Rated Voltage 02 = 24V DC 10 = 100V AC 20 = 220V AC	④ Color R = Red Y = Amber G = Green (Top to bottom)
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Dimensions (mm)



Specification

Supported Transistors	NPN
Alarm Tone	Single tone (for KESB only)
Volume Control	Not adjustable

Optional Parts

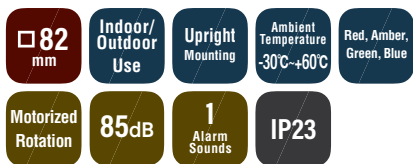
For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

Product List

Model Number	Number of Tiers	Rated Voltage	Luminous Color	Power Consumption (KES)	Power Consumption (KESB)	Mass
KES(B)-102-R/Y/G	1	24V DC	Red / Amber / Green	5.5W	5.5W	0.4kg
KES(B)-110-R/Y/G	1	100V AC	Red / Amber / Green	6.4W	7.3W	0.8kg
KES(B)-120-R/Y/G	1	220V AC	Red / Amber / Green	6.4W	7.3W	0.8kg
KES(B)-202-RY/RG	2	24V DC	Red, Amber / Red, Green	10.5W	11.5W	1.0kg
KES(B)-210-RY/RG	2	100V AC	Red, Amber / Red, Green	10.5W	11.0W	1.4kg
KES(B)-220-RY/RG	2	220V AC	Red, Amber / Red, Green	10.5W	11.0W	1.4kg
KES(B)-302-RYG	3	24V DC	Red, Amber, Green	15.5W	16.5W	1.4kg
KES(B)-310-RYG	3	100V AC	Red, Amber, Green	14.0W	15.0W	1.8kg
KES(B)-320-RYG	3	220V AC	Red, Amber, Green	14.0W	15.0W	1.8kg

KJS/KJSB



KJS Type
KJSB Type (with buzzer)

Model Number Configuration

KJSB-302-RYG

① ② ③ ④

① Buzzer	② Number of Tiers	③ Rated Voltage	④ Color
None = None	1 = 1 Tier	01 = 12V DC	R = Red G = Green
B = Buzzer	2 = 2 Tiers	02 = 24V DC	Y = Amber B = Blue
	3 = 3 Tiers	10 = 100V AC	(Top to bottom)
		20 = 220V AC	

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-007

Bulb No.	Model Number
10	D02401003A-F1
12	D01200503A-F1

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

Specification

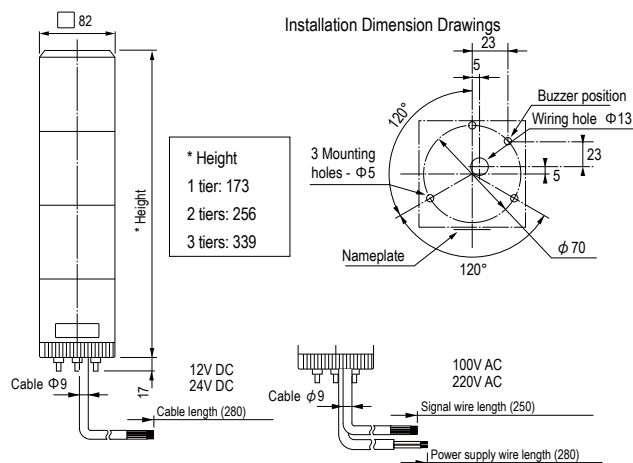
Supported Transistors	NPN
Alarm Tone	Single tone (for KJSB only)
Volume Control	Not adjustable

Product List

Model Number	Number of Tiers	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption (KJS)	Power Consumption (KJSB)	Mass
KJS(B)-101-R/Y/G/B	1	12V DC	12V 5W	12	Red/ Amber / Green / Blue	5.8W	6.1W	0.7kg
KJS(B)-102-R/Y/G/B	1	24V DC	24V 10W	10	Red/ Amber / Green / Blue	13.3W	14.4W	0.7kg
KJS(B)-110-R/Y/G/B	1	100V AC	12V 5W	12	Red/ Amber / Green / Blue	9.0W	9.5W	0.7kg
KJS(B)-120-R/Y/G/B	1	220V AC	12V 5W	12	Red/ Amber / Green / Blue	9.0W	9.5W	0.7kg
KJS(B)-201-RY/RG	2	12V DC	12V 5W	12	Red, Amber / Red, Green	11.5W	11.9W	1.2kg
KJS(B)-202-RY/RG	2	24V DC	24V 10W	10	Red, Amber / Red, Green	26.5W	27.6W	1.2kg
KJS(B)-210-RY/RG	2	100V AC	12V 5W	12	Red, Amber / Red, Green	17.2W	17.8W	1.2kg
KJS(B)-220-RY/RG	2	220V AC	12V 5W	12	Red, Amber / Red, Green	17.2W	17.8W	1.2kg
KJS(B)-301-RYG	3	12V DC	12V 5W	12	Red, Amber, Green	17.3W	17.6W	1.6kg
KJS(B)-302-RYG	3	24V DC	24V 10W	10	Red, Amber, Green	39.7W	40.9W	1.6kg
KJS(B)-310-RYG	3	100V AC	12V 5W	12	Red, Amber, Green	25.8W	26.4W	1.6kg
KJS(B)-320-RYG	3	220V AC	12V 5W	12	Red, Amber, Green	25.8W	26.4W	1.6kg

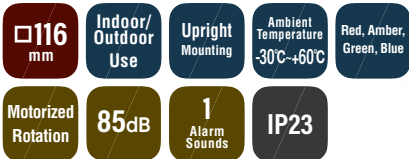
Bulb shape...Glass bulb G18 base BA15S

Dimensions (mm)



Rotating Signal Tower

KJ/KJB



KJ Type
KJB Type (with buzzer)



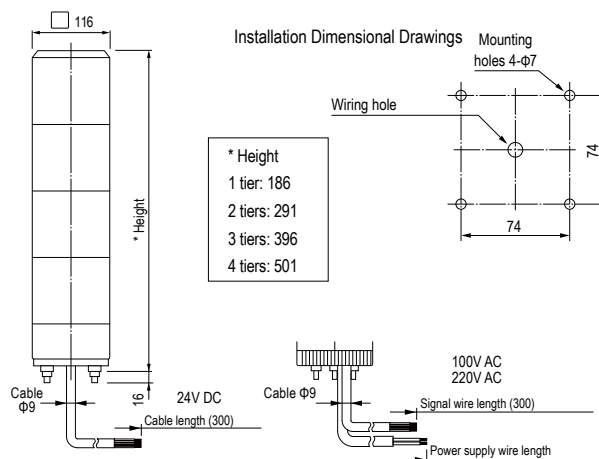
Model Number Configuration

KJB-420-RYGB

① ② ③ ④

① Buzzer	② Number of Tiers	③ Rated Voltage	④ Color
None = None	1 = 1 Tier	02 = 24V DC	R = Red G = Green
B = Buzzer	2 = 2 Tiers	10 = 100V AC	Y = Amber B = Blue
	3 = 3 Tiers	20 = 220V AC	(Top to bottom)
	4 = 4 Tiers		

Dimensions (mm)



Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	SZ-023
Wall Mount Bracket	SZ-008

Bulb Number	Model Number
10	D02401003A-F1
12	D01200503A-F1

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

Specification

Supported Transistors	NPN
Alarm Tone	Single tone (peak) (KJB only)
Volume Control	Adjustable

Product List

Model Number	Number of Tiers	Rated Voltage	Bulb	No.	Luminous Color	Power Consumption (KJ)	Power Consumption(KJB)	Mass
KJ(B)-102-R/Y/G/B	1	24V DC	24V 10W	10	Red/ Amber/Green/Blue	13.3W	13.9W	1.0kg
KJ(B)-110-R/Y/G/B	1	100V AC	12V 5W	12	Red/Amber/Green/Blue	7.5W	7.8W	1.2kg
KJ(B)-120-R/Y/G/B	1	220V AC	12V 5W	12	Red/Amber/Green/Blue	7.5W	7.8W	1.2kg
KJ(B)-202-RY/RG	2	24V DC	24V 10W	10	Red, Amber / Red, Green	26.6W	27.2W	1.5kg
KJ(B)-210-RY/RG	2	100V AC	12V 5W	12	Red, Amber/ Red, Green	12.5W	12.9W	2.0kg
KJ(B)-220-RY/RG	2	220V AC	12V 5W	12	Red, Amber/ Red, Green	12.5W	12.9W	2.0kg
KJ(B)-302-RYG	3	24V DC	24V 10W	10	Red, Amber, Green	40.0W	40.6W	2.0kg
KJ(B)-310-RYG	3	100V AC	12V 5W	12	Red, Amber, Green	17.3W	17.7W	2.5kg
KJ(B)-320-RYG	3	220V AC	12V 5W	12	Red, Amber, Green	17.3W	17.7W	2.5kg
KJ(B)-402-RYGB	4	24V DC	24V 10W	10	Red, Amber, Green, Blue	53.3W	53.9W	2.5kg
KJ(B)-410-RYGB	4	100V AC	12V 5W	12	Red, Amber, Green, Blue	22.1W	22.5W	3.0kg
KJ(B)-420-RYGB	4	220V AC	12V 5W	12	Red, Amber, Green, Blue	22.1W	22.5W	3.0kg

Audible Alarm

BM

Φ30 mm

Indoor/Outdoor Use

Upright/Sideways/
Inverted*
Mounting

Ambient Temperature
-10°C~+60°C

2 Inputs

75-90dB

2 Alarm Sounds

* Indoor Only

CE
(24V DC)

RoHS 10

IP30

IP34
(D type only)

Wall-mounted
(D type)



Model Number Configuration

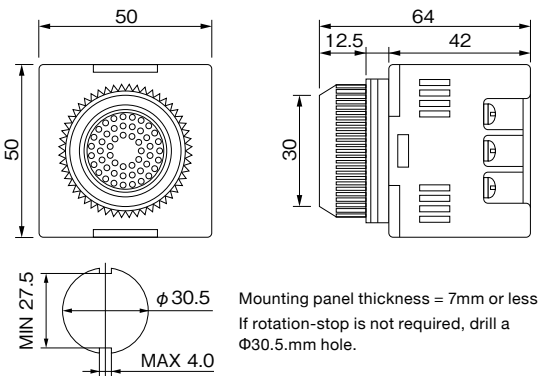
BM-220D

①

②

- ① Rated Voltage
 202 = 24V AC/DC
 210 = 100V AC
 220 = 220V AC
- ② Specification
 None = Standard Type
 H = High Volume Type
 D = Drip-proof Type

Dimensions (mm)



Product List

Model Number	Rated Voltage	Specifications	Power Consumption	Mass
BM-202	24V AC/DC	Standard	0.4W	0.12kg
BM-210	100V AC	Standard	2.5W	0.12kg
BM-220	220V AC	Standard	3.5W	0.12kg
BM-202H	24V AC/DC	High Volume Type	0.4W	0.13kg
BM-210H	100V AC	High Volume Type	2.5W	0.13kg
BM-220H	220V AC	High Volume Type	3.5W	0.14kg
BM-202D	24V AC/DC	Drip-proof Type	0.4W	0.14kg
BM-210D	100V AC	Drip-proof Type	2.5W	0.15kg
BM-220D	220V AC	Drip-proof Type	3.5W	0.15kg

Sound Specification

Alarm Sound	Rapid Hi-Lo (CH1), Stutter (CH2)
Volume Control	Not adjustable

Slim MP3 Voice Annunciator

BSV/BSV-L

75 mm

Indoor/
Outdoor
Use

Upright/
Sideways/
Inverted*
Mounting

Ambient
Temperature
-10°C~+50°C

4/15
Inputs

87dB

Playback
Length
63
seconds

Playback
Length
520
seconds
(BSV-L)

* Indoor Only

CE

RoHS
10

UL

FCC

IP54
(Panel Mounting)



-W (Off White)

-D (Dark gray)



Panel-mounted



Wall-mounted



SD Card Slot



Full-scale

Model Number Configuration

BSV-24NLM-W

①

②

③

④

① Supported Transistors

N = NPN

P = PNP

② Recording Time

L = 520 seconds

None = 63 seconds

③ Pre-recorded Message

None = None (15 built-in sounds)

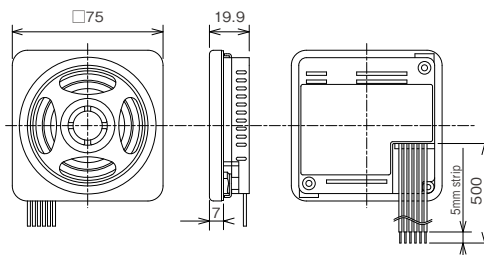
④ Cover Color

W = Off White

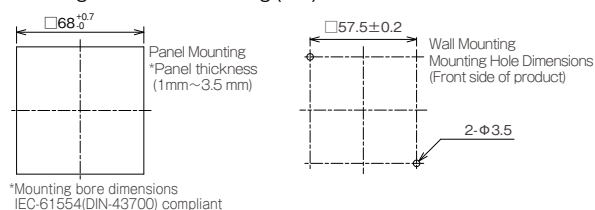
D = Dark Gray

S = Silver

Dimensions (mm)



Mounting Dimensional Drawing (mm)



*Mounting bore dimensions
IEC-61554(DIN-43700) compliant

Product List

Model Number	Rated Voltage	Supported Transistors	Recording Time	Pre-recorded Message	Cover Color	Power Consumption	Mass
BSV-24N(L)-W/D/S	12 - 24V DC	NPN	63 seconds/520 seconds	None	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24P(L)-W/D/S	12 - 24V DC	PNP	63 seconds/520 seconds	None	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24N(L)M-W/D/S	12 - 24V DC	NPN	63 seconds/520 seconds	Yes	Off-white, Dark Gray, Silver	3.5W	0.1kg
BSV-24P(L)M-W/D/S	12 - 24V DC	PNP	63 seconds/520 seconds	Yes	Off-white, Dark Gray, Silver	3.5W	0.1kg

Sound Specification

Volume Control	Rotating knob
Sound File Format	MP3 (Bit rate: 32 kbps, 64kbps)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

Alarm Sound Selection Chart

☐ Maximum 15-message playback (BSV-M type)

☐ 15 built-in standard alarm sounds (BSV type)

Contains 15 standard alarm sounds.

No.1 Chime	No.2 Beep	No.3 Stutter	No.4 Bell	No.5 Yelp
No.6 Rapid Hi-Lo	No.7 Melody Chime	No.8 Synthesized Piano	No.9 Synthesized Bell	No.10 Stutter & Bell
No.11 Synthesized Melody	No.12 Call Sign	No.13 Inverted Reveille x3	No.14 Galactic Motor	No.15 Two Tone

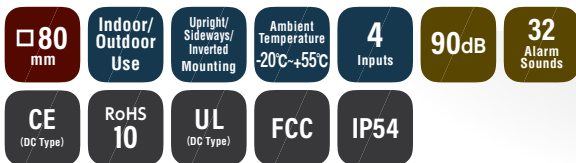
Note:

1. Changing or adding messages will delete all standard alarms and MP3 data in the main unit's memory.
2. Changing operation modes requires an SD card (SDV-2GP, sold separately).
3. Operation is not guaranteed when using other types of SD cards.
4. Change input mode to binary in order to access all 15 sounds.

☐ Operation Modes

Modes			
A Bit input and normal playback	C Bit input and hold playback	E Binary input and normal playback	G Binary input and hold playback
B Playback prioritizing bit input and subsequent input	D Bit input and memory playback	F Playback prioritizing binary input and subsequent input	H Binary input and memory playback

Audible Alarm for Panel Mounting

BD-A

Model Number Configuration

BD-24AA-J

①

②

③

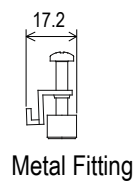
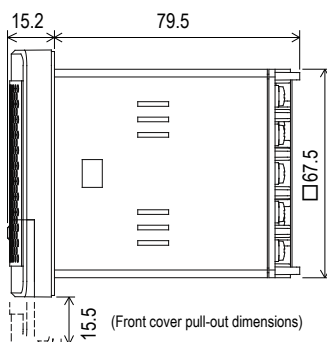
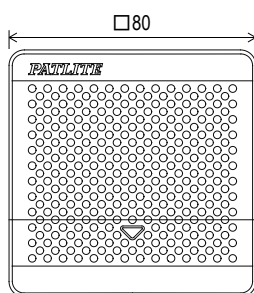
① Rated Voltage
24 = 12 - 24V DC
100 = 100/220V AC

② Alarm Type*
A = Type A
C = Type C
D = Type D
E = Type E

③ Body Color - Front
J = Light Gray
K = Dark Gray

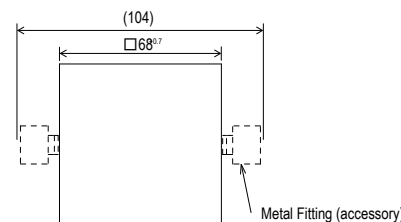
* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Metal Fitting

Mounting Dimensions



*Mounting hole dimensions comply with IEC-61554 (DIN-43700).

Product List

Model Number	Rated Voltage	Alarm Type	Body Color - Front	Power Consumption	Mass
BD-24A □ -J/K	12 - 24V DC	A/C/D/E	Light Gray, Dark Gray	4.0W	0.16kg
BD-100A □ -J/K	100/220V AC	A/C/D/E	Light Gray, Dark Gray	5.0W	0.18kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

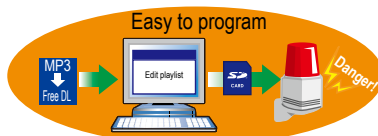
Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

MP3 Voice Annunciator for Panel Mounting

BDV



* Indoors for sideways and inverted directions.



-K (Dark gray)

-J (Light gray)

Model Number Configuration

BDV-15JF-J

① ②

① Rated Voltage
J = 12 - 24V DC
K = 100 / 220V AC

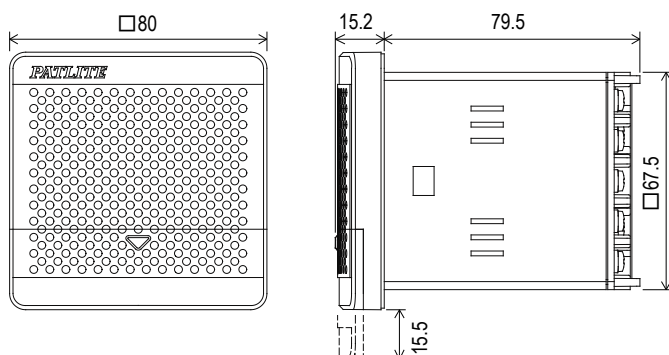
② Body Color - Front
J = Light Gray
K = Dark Gray

Optional Parts

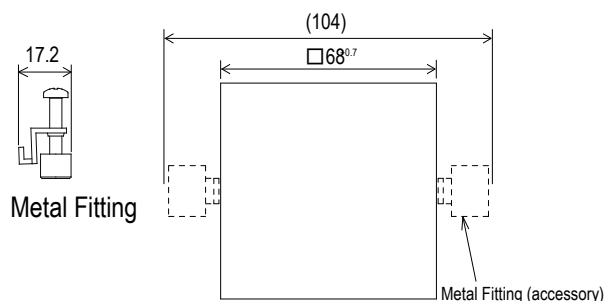
For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

Dimensions (mm)



Mounting Dimensions



*Mounting hole dimension complies with IEC 61554 (DIN 43700).

Product List

Model Number	Rated Voltage	Body Color - Front	Power Consumption	Mass
BDV-15JF-J/K	12 - 24V DC	Light Gray, Dark Gray	4W	0.22kg
BDV-15KF-J/K	100 / 220V AC	Light Gray, Dark Gray	5W	0.34kg

Other Specifications

Supported Transistors	NPN
Sound File Format	MP3 data (Bit rate: 64 kbps/Sample rate: 44.1kHz)

BDV

LAN / USB /
PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms
and MP3 Voice
Annunciators

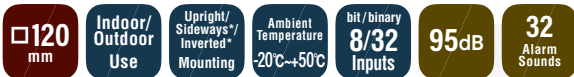
Hybrid Signaling
Devices

LED Illumination

Optional Parts

Audible Alarm for Panel Mounting

BK



* Indoor Only



-J (Light gray)



-K (Dark gray)

Model Number Configuration

BK-24A-J

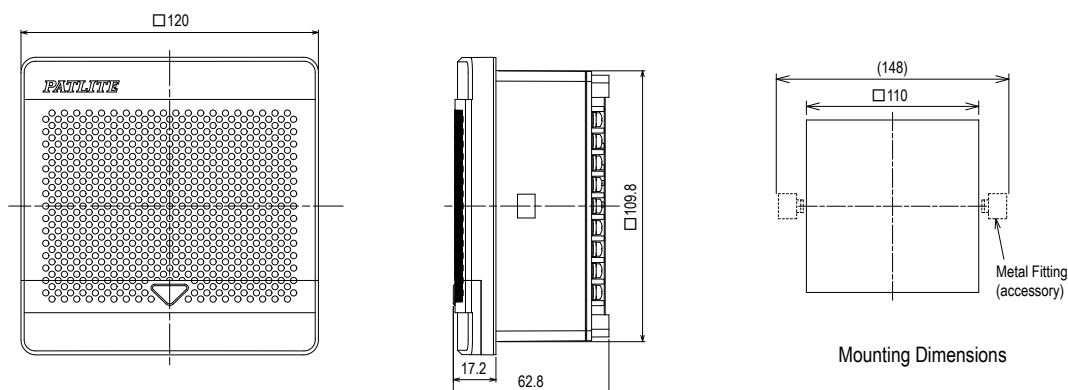
① ② ③

- ① Rated Voltage
24 = 12 - 24V DC
100 = 100V AC
220 = 220V AC
- ② Alarm Type*
A = Type A
C = Type C
D = Type D
E = Type E
- ③ Colors
J = Light Gray
K = Dark Gray

The following custom specifications are available.
● PNP open collector specifications

* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Mounting Dimensions

Product List

Model Number	Rated Voltage	Alarm Type	Color	Power Consumption	Mass
BK-24 □ -J/K	12 - 24V DC	A/C/D/E	Light Gray, Dark Gray	12W	0.35kg
BK-100 □ -J/K	100V AC	A/C/D/E	Light Gray, Dark Gray	10W	0.53kg
BK-220 □ -J/K	220V AC	A/C/D/E	Light Gray, Dark Gray	11W	0.53kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Mounting Bracket	BK-001 (2 fixed seals attached)
Mounting Bracket	BK-002-J
Mounting Bracket	BK-002-K
SD Card (2GB)	SDV-2GP

* BK-001 can be used to install the product with □130mm mounting holes from older models.

MP3 Voice Annunciator for Panel Mounting

BKV



120 mm

Indoor/Outdoor Use

Upright/Sideways*/Inverted* Mounting

Ambient Temperature -10°C~+50°C

bit/binary 5/31 Inputs

95dB

Playback Length 63 seconds

CE (DC Type)

RoHS 10

IP54

* Indoor Only



-J (Light gray)



-K (Dark gray)

Model Number Configuration

BKV-31JF-J

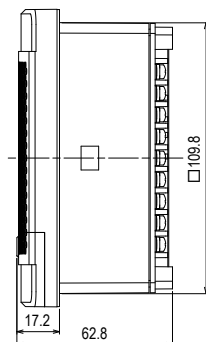
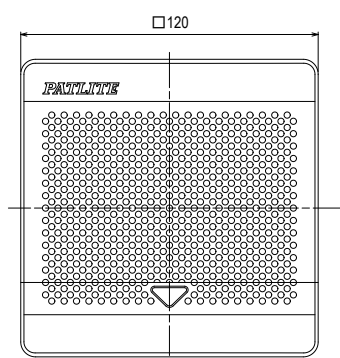
①

②

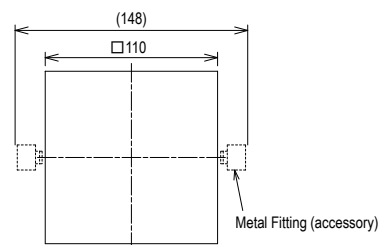
① Rated Voltage
J = 12 - 24V DC
K = 100V AC
Q = 220V AC

② Colors
J = Light Gray
K = Dark Gray

Dimensions (mm)



Mounting Dimensions



Product List

Model Number	Rated Voltage	Color	Power Consumption	Mass
BKV-31JF-J/K	12-24V DC	Light Gray, Dark Gray	9W	0.35kg
BKV-31KF-J/K	100V AC	Light Gray, Dark Gray	10W	0.53kg
BKV-31QF-J/K	220V AC	Light Gray, Dark Gray	10W	0.53kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound file	MP3 (Bit rate: 64 kbps/Sample rate: 44.1kHz)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Mounting Bracket	BK-001 (2 fixed seals attached)
Mounting Bracket	BK-002-J
Mounting Bracket	BK-002-K
SD Card (2GB)	SDV-2GP

BKV

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

Audible Alarm Horn

EHS

Indoor/
Outdoor
UseUpright/
Sideways/
Inverted
MountingAmbient
Temperature
-20°C~+50°Cbit / binary
8/32
Inputs

110dB

32
Alarm
SoundsCE
(DC Type)RoHS
10

UL

FCC

KC

IP65



Model Number Configuration

EHS-M1HA

①

②

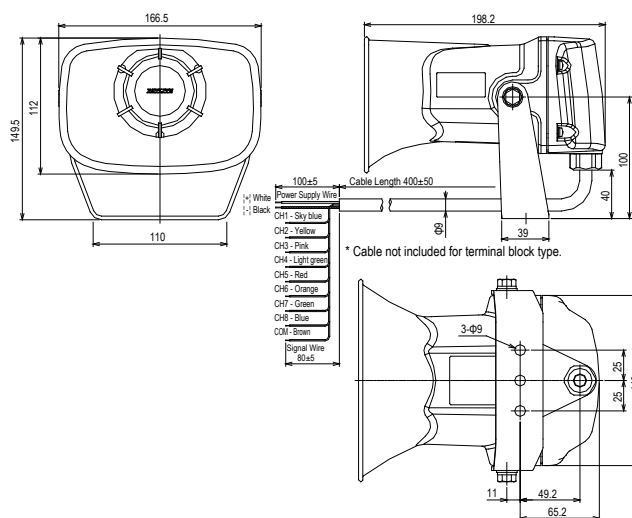
③

- ① Rated Voltage
M1 = 12 - 24V DC
M2 = 100 - 240V AC
M3 = 12 - 48V DC
(mountable in vehicle)
- ② Wiring Method
H = Cable
T = Terminal Block
- ③ Alarm Type*
A = Type A
C = Type C
D = Type D
E = Type E

Note: M3 Specifications
· H: Cable type only
· Mountable in vehicle

* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Product List

Model Number	Rated Voltage	Wiring Method	Alarm Type	Power Consumption	Mass
EHS-M1H □	12 - 24V DC	Cable	A/C/D/E	7.6W	1.25kg
EHS-M1T □	12 - 24V DC	Terminal Block	A/C/D/E	7.6W	1.25kg
EHS-M2H □	100V - 240V AC	Cable	A/C/D/E	7.3W	1.25kg
EHS-M2T □	100V - 240V AC	Terminal Block	A/C/D/E	7.3W	1.25kg
EHS-M3H □	12 - 48V DC	Cable	A/C/D/E	5.5W	1.25kg

Other Specifications

Supported Transistors	M1:NPN/PNP M2/M3:NPN
Volume Control	Rotating knob

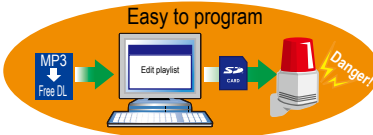
Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

MP3 Voice Annunciator Horn

EHV



Indoor/Outdoor Use

Upright/Sideways/Inverted Mounting

Ambient Temperature -20°C~+50°C

bit / binary 8/63 Inputs

110dB

63 Alarm Sounds

Playback Length 220 seconds

*MP3 is 105dB

CE
(DC Type)

RoHS 10

UL
(Excluding M3)

FCC
(Excluding M3)

KC
(Excluding M3)

IP65



Note: Sound reduction feature can be specified at the time of order or by using Patlite's Playlist Editor 2.

Model Number Configuration

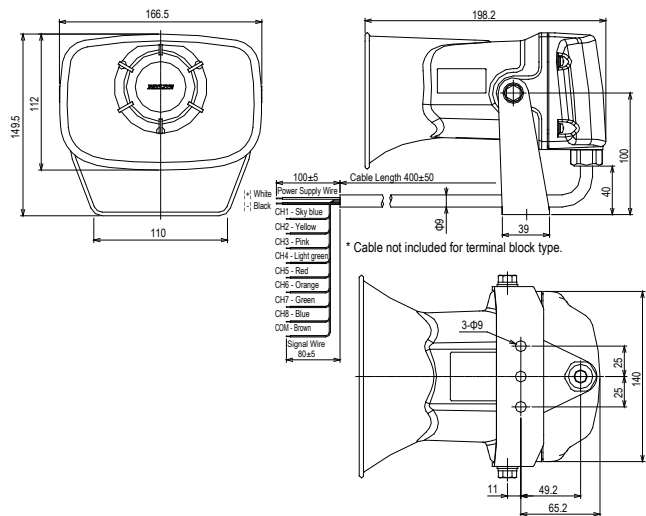
EHV-M1HF

① ② ③

- | | | |
|---|--|---|
| ① Rated Voltage
M1 = 12 - 24V DC
M2 = 100 - 240V AC
M3 = 12 - 48V DC
(mountable in vehicle) | ② Wiring Method
H = Cable
T = Terminal Block | ③ Alarm Type*
F = Type F
G = Type G |
|---|--|---|
- Note: M3 Specifications
· H: Cable type only
· Mountable in vehicle

* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Product List

Model Number	Rated Voltage	Wiring Method	Alarm Type	Pre-recorded Message	Power Consumption	Mass
EHV-M1H □	12 - 24V DC	Cable	F/G	None	8.0W	1.25kg
EHV-M1T □	12 - 24V DC	Terminal Block	F/G	None	8.0W	1.25kg
EHV-M2H □	100~240V AC	Cable	F/G	None	7.9W	1.25kg
EHV-M2T □	100~240V AC	Terminal Block	F/G	None	7.9W	1.25kg
EHV-M1H □ M	12 - 24V DC	Cable	F/G	Yes	8.0W	1.25kg
EHV-M1T □ M	12 - 24V DC	Terminal Block	F/G	Yes	8.0W	1.25kg
EHV-M2H □ M	100~240V AC	Cable	F/G	Yes	7.9W	1.25kg
EHV-M2T □ M	100~240V AC	Terminal Block	F/G	Yes	7.9W	1.25kg
EHV-M3H □	12-48V DC	Cable	F/G	None	6.1W	1.25kg
EHV-M3H □ M	12-48V DC	Cable	F/G	Yes	6.1W	1.25kg

Other Specifications

Supported Transistors (NPN / PNP)	M1: NPN/PNP, M2/M3: NPN
Volume Control	Rotating knob or by program (-10 dB, -20 dB, -30 dB)
Sound File Format	MP3 data (Bit rate: 32 kbps, 64 kbps, 128 kbps/Sample rate: 44.1kHz)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
SD Card (2GB)	SDV-2GP

EHV

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Optional Parts

MP3 File Playback Circuit Board

FV-127JP

Ambient
Temperature
-10°C~+50°Cbit/binary
7/127
InputsPlayback
Length
8
minPlayback
Length
240 min
(with SD card)RoHS
10

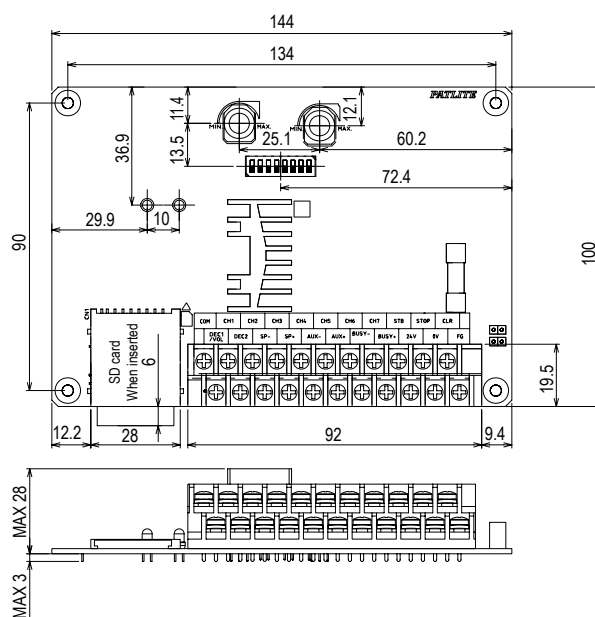
Model Number Configuration

FV-127JP

① ② ③

① Maximum Number of Messages 127 = 127 messages
 ② Rated Voltage J = 24V DC
 ③ P = Printed circuit board type

Dimensions (mm)



Product List

Model Number	Rated Voltage	Power Consumption	Mass
FV-127JP	24V DC	15W	0.16kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound File Format	MP3 data (Bit rate: 32 k bps, 64kbps, 128 kbps/Sample rate: 44.1kHz)

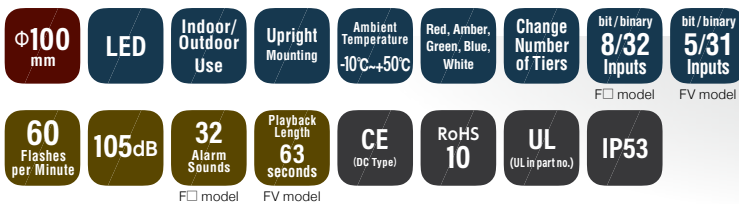
Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Speaker (2W 8Ω)	SPB-2E-W
Speaker (5W 8Ω)	SPB-5E
Speaker (5W 8Ω)	SPW-5E
Speaker (5W 8Ω)	SPL-5E
Horn Speaker (10W, 8Ω)	SPH-10EA
SD Card (2GB)	SDV-2GP

Signal Tower with Horn/Signal Tower with MP3 Voice Annunciator Horn

LKEH-F□/FV



Model Number Configuration

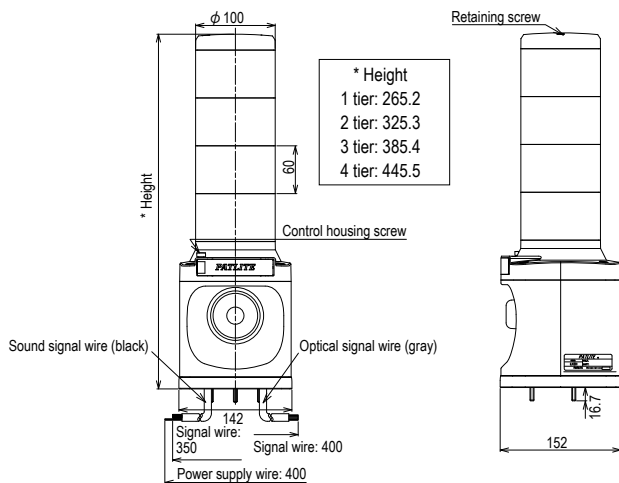
LKEH-402FAUL-RYGB

① ② ③ ④ ⑤

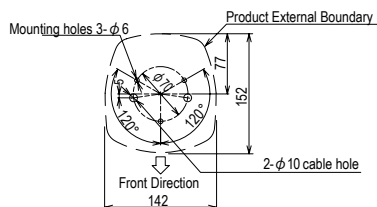
① Number of Tiers 1 = 1 tier 2 = 2 tiers 3 = 3 tiers 4 = 4 tiers	② Rated Voltage 02 = 24V DC 10 = 100V AC 20 = 220V AC	③ Alarm Type* A = Type A C = Type C D = Type D E = Type E V = MP3 Sound File	④ Conformity Standards None = Standard model UL = UL model	⑤ Luminous Color R = Red B = Blue Y = Amber C = White G = Green From top to bottom
--	--	---	--	---

* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Installation Dimension Drawings



Other Specifications

Supported Transistors	NPN (custom order: PNP)
Volume Control	Rotating knob
Sound File Format (FV model only)	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Mounting Bracket	SZ-008
SD Card (2GB)	SDV-2GP

Replacement Parts

Product Name	Part Number
Red LED Unit	B72100151-1F1
Amber LED Unit	B72100151-2F1
Green LED Unit	B72100151-3F1
Blue LED Unit	B72100151-4F1
White LED Unit	B72100151-7F1
Retaining Screw for 1 tier	B62910033-1F2
Retaining Screw for 2 tier	B62910033-2F2
Retaining Screw for 3 tier	B62910033-3F2
Retaining Screw for 4 tier	B62910033-4F2

Product List

Model Number	Number of Tiers	Rated Voltage	Alarm Type	UL Certified	Luminous Color	Power Consumption	Mass
LKEH-102F □ -R/Y/G/B/C	1	24V DC	A/C/D/E	-	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-110F □ -R/Y/G/B/C	1	100V AC	A/C/D/E	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-120F □ -R/Y/G/B/C	1	220V AC	A/C/D/E	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-202F □ -RY/RG	2	24V DC	A/C/D/E	-	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-210F □ -RY/RG	2	100V AC	A/C/D/E	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-220F □ -RY/RG	2	220V AC	A/C/D/E	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-302F □ -RYG	3	24V DC	A/C/D/E	-	Red, Amber, Green	14.2W	1.8kg
LKEH-310F □ -RYG	3	100V AC	A/C/D/E	-	Red, Amber, Green	23W	2.5kg
LKEH-320F □ -RYG	3	220V AC	A/C/D/E	-	Red, Amber, Green	23W	2.5kg
LKEH-402F □ -RYGB	4	24V DC	A/C/D/E	-	Red, Amber, Green, Blue	16W	2.0kg
LKEH-410F □ -RYGB	4	100V AC	A/C/D/E	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-420F □ -RYGB	4	220V AC	A/C/D/E	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-102F □ UL-R/Y/G/B/C	1	24V DC	A/C/D/E	✓	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-202F □ UL-RY/RG	2	24V DC	A/C/D/E	✓	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-302F □ UL-RYG	3	24V DC	A/C/D/E	✓	Red, Amber, Green	14.2W	1.8kg
LKEH-402F □ UL-RYGB	4	24V DC	A/C/D/E	✓	Red, Amber, Green, Blue	16W	2.0kg
LKEH-102FV-R/Y/G/B/C	1	24V DC	-	-	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-110FV-R/Y/G/B/C	1	100V AC	-	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-120FV-R/Y/G/B/C	1	220V AC	-	-	Red / Amber / Green / Blue / White	17W	2.1kg
LKEH-202FV-RY/RG	2	24V DC	-	-	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-210FV-RY/RG	2	100V AC	-	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-220FV-RY/RG	2	220V AC	-	-	Red, Amber / Red, Green	20W	2.3kg
LKEH-302FV-RYG	3	24V DC	-	-	Red, Amber, Green	14.2W	1.8kg
LKEH-310FV-RYG	3	100V AC	-	-	Red, Amber, Green	23W	2.5kg
LKEH-320FV-RYG	3	220V AC	-	-	Red, Amber, Green	23W	2.5kg
LKEH-402FV-RYGB	4	24V DC	-	-	Red, Amber, Green, Blue	16W	2.0kg
LKEH-410FV-RYGB	4	100V AC	-	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-420FV-RYGB	4	220V AC	-	-	Red, Amber, Green, Blue	26W	2.7kg
LKEH-102FVUL-R/Y/G/B/C	1	24V DC	-	✓	Red / Amber / Green / Blue / White	10.6W	1.4kg
LKEH-202FVUL-RY/RG	2	24V DC	-	✓	Red, Amber / Red, Green	12.4W	1.6kg
LKEH-302FVUL-RYG	3	24V DC	-	✓	Red, Amber, Green	14.2W	1.8kg
LKEH-402FVUL-RYGB	4	24V DC	-	✓	Red, Amber, Green, Blue	16W	2.0kg

Notes:

1. Sounds may not start simultaneously when using multiple units.
2. This product is not recommended for vehicle use.

Rotating Beacon with Audible Alarm Horn

RT



Model Number Configuration

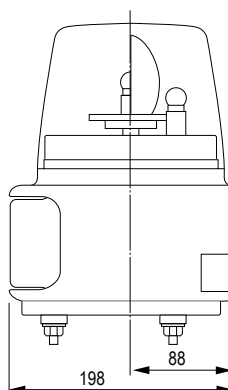
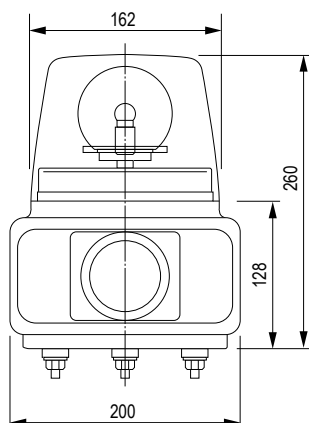
RT-24A-R

① ② ③

① Rated Voltage 24 = 24V DC 100 = 100V AC 200 = 200V AC	② Alarm Type* A = Type A C = Type C D = Type D E = Type E	③ Colors R = Red Y = Amber G = Green B = Blue
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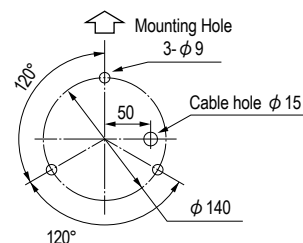
* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



Installation Dimension Drawings

Front Direction



Product List

Model Number	Rated Voltage	Bulb No.	Alarm Type	Color	Power Consumption	Mass
RT-24 □ -R/Y/G/B	24V DC	55	A/C/D/E	Red / Amber / Green / Blue	24W	2.0kg
RT-100 □ -R/Y/G/B	100V AC	54	A/C/D/E	Red / Amber / Green / Blue	32W	2.5kg
RT-200 □ -R/Y/G/B	200V AC	54	A/C/D/E	Red / Amber / Green / Blue	30W	2.5kg

Bulb No.	Model Number
54	D01201503-F1
55	D02402003-F1

* Light bulbs come in packs of 10.

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008

Rotating Beacon with MP3 Voice Annunciator Horn

RT-VF



Φ162 mm	Indoor/Outdoor Use	Upright Mounting	Ambient Temperature -10°C~+50°C	Red, Amber, Green, Blue	bit/binary 4/15 Inputs
Motorized Rotation	105dB	Playback Length 63 seconds	UL (UL in part no.)	IP23	



Model Number Configuration

RT-24VFUL-R

① ② ③

① Rated Voltage

24 = 24V DC (RT-VF/RT-VFUL type)
100 = 100V AC (RT-VF type)
200 = 200V AC (RT-VF type)

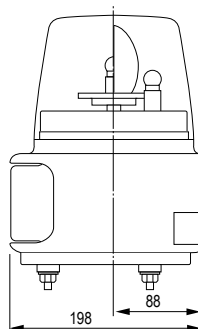
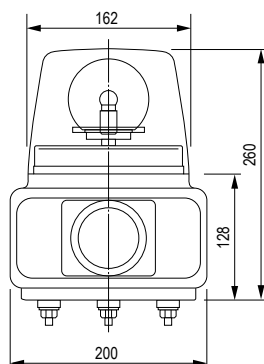
② Sound Specifications

VF = MP3 sound file
VFUL = MP3 sound file (UL certified)

③ Luminous Color

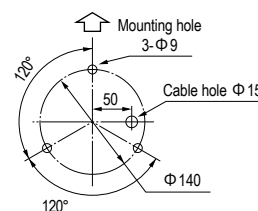
R = Red
Y = Amber
G = Green
B = Blue

Dimensions (mm)



Installation Dimension Drawings

Front Direction



Product List

Model Number	Rated Voltage	Bulb No.	UL Certified	Color	Power Consumption	Mass
RT-24VF-R/Y/G/B	24V DC	55	-	Red / Amber / Green / Blue	24W	2.0kg
RT-100VF-R/Y/G/B	100V AC	54	-	Red / Amber / Green / Blue	32W	2.4kg
RT-200VF-R/Y/G/B	200V AC	54	-	Red / Amber / Green / Blue	30W	2.4kg
RT-24VFUL-R/Y/G/B	24V DC	55	✓	Red / Amber / Green / Blue	24W	2.0kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound File Format	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008
SD Card (2GB)	SDV-2GP

* A separate quotation is required for SD cards with custom messages pre-recorded.

Bulb No.	Model Number
54	D01201503-F1
55	D02402003-F1

* Light bulbs come in packs of 10.

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

RT-VF

LAN / USB / PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms and MP3 Voice Annunciators

Hybrid Signaling Devices

LED Illumination

Explosion Proof

Option

Rotating Signal Tower

KJT



* 100V AC is 85dB



Model Number Configuration

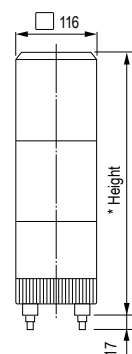
KJT-302A-RYG

① ② ③ ④

- | | | | |
|---|--|---|--|
| ① Number of Tiers
1 = 1 tier
2 = 2 tiers
3 = 3 tiers | ② Rated Voltage
02 = 24V DC
10 = 100V AC
20 = 200V AC | ③ Alarm Type*
A = Type A
C = Type C
D = Type D
E = Type E | ④ Colors
R = Red
Y = Amber
G = Green
B = Blue
Top to bottom |
|---|--|---|--|

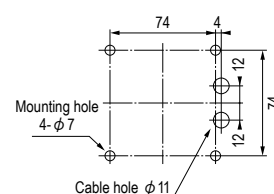
* Please refer to the Sound Selection Chart on page 84 for alarm details.

Dimensions (mm)



* Height
1 tier: 232
2 tiers: 337
3 tiers: 442

Installation Dimension Drawings



Product List

Model Number	Number of Tiers	Bulb No.	Rated Voltage	Alarm Type	Luminous Color	Power Consumption	Mass
KJT-102□-R/Y/G/B	1	10	24V DC	A/C/D/E	Red / Amber / Green / Blue	21W	1.3kg
KJT-110□-R/Y/G/B	1	12	100V AC	A/C/D/E	Red / Amber / Green / Blue	20W	1.7kg
KJT-120□-R/Y/G/B	1	12	200V AC	A/C/D/E	Red / Amber / Green / Blue	20W	1.7kg
KJT-202□-RY/RG	2	10	24V DC	A/C/D/E	Red, Amber / Red, Green	31W	1.9kg
KJT-210□-RY/RG	2	12	100V AC	A/C/D/E	Red, Amber / Red, Green	26W	2.4kg
KJT-220□-RY/RG	2	12	200V AC	A/C/D/E	Red, Amber / Red, Green	26W	2.4kg
KJT-302□-RYG	3	10	24V DC	A/C/D/E	Red, Amber, Green	41W	2.5kg
KJT-310□-RYG	3	12	100V AC	A/C/D/E	Red, Amber, Green	32W	3.0kg
KJT-320□-RYG	3	12	200V AC	A/C/D/E	Red, Amber, Green	32W	3.0kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket with Cover	SZ-023
Wall Mount Bracket	SZ-008

Bulb No.	Model Number
10	D02401003A-F1
12	D01200503A-F1

* Light bulbs come in packs of 10.

* Stock for some light bulbs may be limited as products become discontinued. We ask for your understanding in this regard.

Rotating Beacon with Audible Alarm

RFT



* Indoor Only



Model Number Configuration

RFT-100A-R

① ② ③

① Rated Voltage

24 = 24V DC
100 = 100V AC
220 = 220V AC

② Sound Type*

A = Type A
C = Type C
D = Type D
E = Type E

③ Colors

R = Red
Y = Amber
G = Green
B = Blue

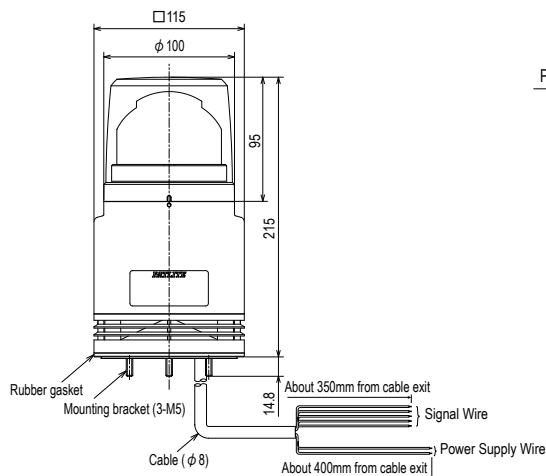
* Please refer to the Sound Selection Chart on page 84 for alarm details.

Optional Parts

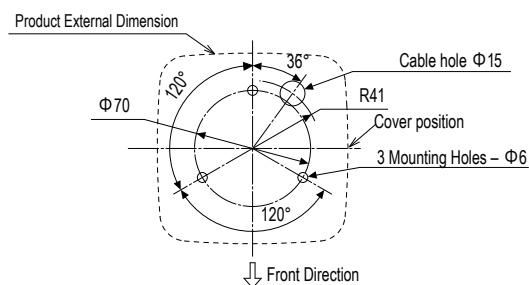
For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	RF-001
Ceiling Mount Bracket	RF-002
SD Card (2GB)	SDV-2GP

Dimensions (mm)



Installation Dimension Drawings



Product List

Model Number	Rated Voltage	Alarm Type	Luminous Color	Power Consumption	Mass
RFT-24□-R/Y/G/B	24V DC	A/C/D/E	Red / Amber / Green / Blue	12W	1.0kg
RFT-100□-R/Y/G/B	100V AC	A/C/D/E	Red / Amber / Green / Blue	13W	1.2kg
RFT-220□-R/Y/G/B	220V AC	A/C/D/E	Red / Amber / Green / Blue	13W	1.2kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob

RFT

LAN / USB /
PoE / Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms
and MP3 Voice
Annunciators

Hybrid Signaling
Devices

LED Illumination

Explosion Proof

Option

Rotating Beacon with MP3 Voice Annunciator

RFV



Φ100 mm

LED

Indoor/Outdoor Use

Upright/Sideways*/Inverted* Mounting

Ambient Temperature -10°C~+50°C

Red, Amber, Green, Blue

4/15 Inputs

115 Flashes per Minute

95dB

Playback Length 63.5 seconds

CE (DC Type)

RoHS 10

IP54

* Indoor Only



Model Number Configuration

RFV-100F-R

①

②

① Rated Voltage
24 = 24V DC
100 = 100V AC
220 = 220V AC

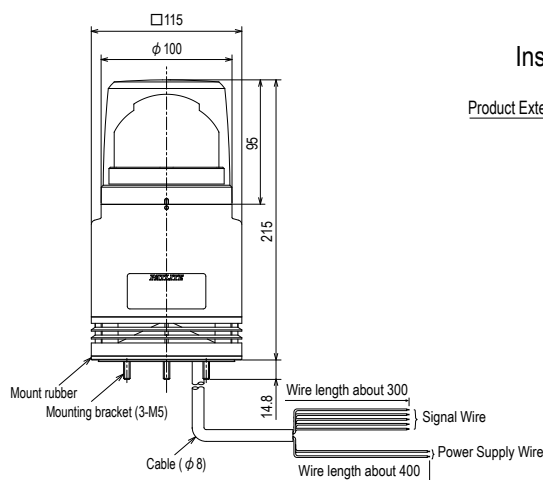
② Color
R = Red
Y = Amber
G = Green
B = Blue

Optional Parts

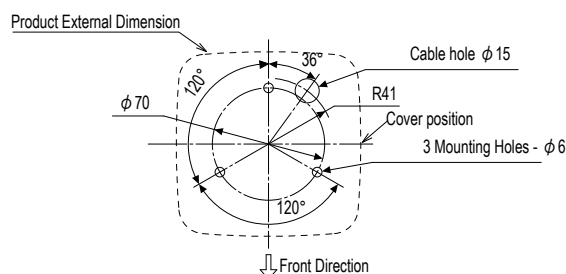
For details refer to P. 93 to P. 98

Product Name	Model Number
Wall Mount Bracket	RF-001
Ceiling Mount Bracket	RF-002
SD Card (2GB)	SDV-2GP

Dimensions (mm)



Installation Dimension Drawings



Product List

Model Number	Rated Voltage	Color	Power Consumption	Mass
RFV-24F-R/Y/G/B	24V DC	Red / Amber / Green / Blue	18W	1.0kg
RFV-100F-R/Y/G/B	100V AC	Red / Amber / Green / Blue	16W	1.2kg
RFV-220F-R/Y/G/B	220V AC	Red / Amber / Green / Blue	16W	1.2kg

Other Specifications

Supported Transistors	NPN
Volume Control	Rotating knob
Sound File Format	MP3 data (bit rate: 64 kbps / sample rate: 44.1 kHz)

Alarm Sound Selection Chart



Type A

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Fur Elise	A Maiden's Prayer	Minuet in Gmjr	Annie Laurie
London bridge is falling down	Holdiridia	Mary had a little Lamb	Camptown Races
Cuckoo Song	Village Blacksmith	On the Avignon Bridge	Daydream Believer
Amaryllis	Mozart Symphony No.40	Quiet Lakeside	Mountain Musician
Spanish Romance	Katyusha	Grandfather's Clock	Ave Maria

Type C

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Can't take my eyes off of You	Top of the World	The Entertainer	Amazing Grace
Maiden with the flaxen hair	Aux Champs-Elysees	Canon	La-la Sunshine
Space Battleship Yamato	Oshiete	Makenai de	Theme Song
I Don't Want to Miss a Thing	Yozora no Mukou	Ai wa Katsu	Truth
Guts Daze!!	Odoru Ponpokorin	Ima sugu Kiss Me	Haru yo, Koi

Type D

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Runner	Mamotte Agetai	Chime	Call Sign
While listening to Olivia	September	Douyobi no Koibito	Aki no Kihai
Surf Tengoku, Ski Tengoku	Iro, White Blend	Happy Birthday	Hi Ho
I've been working on the Railroad	The Bear Song	Toys Go Cha-Cha-Cha	Konnako Irukana
Shubert's Lullaby	Rudolph the Red-nosed Reindeer	She Wore a Yellow Ribbon	My Darling Clementine
Yellow Rose of Texas	Yankee Doodle	When the Saints Go Marching In	Londonderry Air

Type E

Beep	Stutter	Bell	Yelp
Rapid Hi-Lo	Melody Chime	Synthesized Piano	Synthesized Bell
Stutter & Bell	Synthesized Melody	Chime	Call Sign
Bee-boh sound	Galloping Hi-Lo	Alien Chatter	Falling Crystals
Inverted Reveille x3	Galactic Motor	Ringling Phone	Two Tone
Alarm Clock	Ringling Hi-Lo	Fur Elise	Minuet in Gmjr
Annie Laurie	London bridge is falling down	Mary had a little Lamb	Camptown Races
Amaryllis	Mozart Symphony No.40	Ave Maria	Grandfather's Clock

Note: Please check our website for details on each alarm sound.

Use of Copyrighted Material

PATLITE Corporation has not applied for permission to use certain copyrighted music or songs recorded for Type-A, Type-C and Type-D melody charts outside of Japan. Therefore, please contact the local copyright association for permission before using the product in case this product is used outside of Japan. Melody chart Type-E is recommended for use outside of Japan as this playlist does not include copyrighted music or songs, and permission is not required.



Type F

Galactic Hovercraft	Game Intermission	Spring Melody	Jalopy Horn
ET Doorbell	RR-crossing	Train Whistle	Train Ride
Starting Notice Chime1	Starting Notice Chime2	Starting Notice Chime3	Ending Notice Chime1
Ending Notice Chime2	RHYTHM AND POLICE	ZANKOKUNA TENSHINO TEEZE	MAJINGAA ZETTO
HATARAKU KURUMA	NINGENTTE IINA	ROBINSON	WORLD FOOTBALL ANTHEM
BANZAI SUKIDE YOKATTA	NAMONAKI UTA	SOUSEINO AKUERION	MAMBO NO 5
The Parade of the Tin Soldiers	Turkey in the Straw	Aka tombo	Funiculi, Funicula
Furusato	Beautiful Dreamer	JOLLY HOLIDAY	Londonderry Aire
The above 31 tones & 32 type A tones are built-in			

Type G

Galactic Hovercraft	Game Intermission	Spring Melody	Jalopy Horn
ET Doorbell	RR-crossing	Starting Notice Chime1	Starting Notice Chime2
Ending Notice Chime1	Ending Notice Chime2	The Parade of the Tin Soldiers	If You're Happy and You Know It
Flea Waltz	Turkey in the Straw	The Battle Hymn of the Republic	J'ai perdu le do de ma clarinette
Can-can	Radetzky March	Funiculi, Funicula	Csikos Post
Polka Trablanka	O Vreneli	KAERUNO GASSHOU	El Condor Pasa (If I Could)
Hungarian Dance No.5	William Tell Overture	Pomp and Circumstance	Greensleeves
Nedelka	Moonlight Serenade	WAREWA UMINO KO	-
The above 31 tones & 32 EHS type E tones are built-in			

Use of Copyrighted Material

PATLITE Corporation has not applied for permission to use certain copyrighted music or songs recorded for Type-F melody charts outside of Japan. Therefore, please contact the local copyright association for permission before using the product in case this product is used outside of Japan. Melody chart Type-G is recommended for use outside of Japan as this playlist does not include copyrighted music or songs, and permission is not required.

LED Work Light

CWF

LED

Indoor Use

Mounting in All Directions

Ambient Temperature
-25°C~+60°C

(DC model)

Ambient Temperature
-20°C~+50°C

(AC model)

Daylight

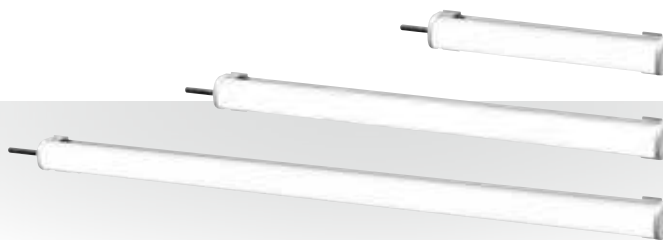
CE

RoHS 10

UL

FCC

IP20



Model Number Configuration

CWF3S-24-CD

①

②

③

① Length

3 = 300mm
6 = 600mm
9 = 900mm*1

*1. AC Type only

② Rated Voltage / Standards

24 = 24V DC / UL, CE*2
M2U = 100-240V AC / UL

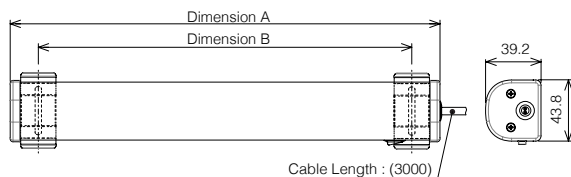
*2. CWF [3S] [6S] type only

③ Luminous Color

CD = Daylight

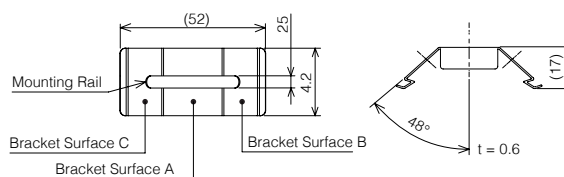
Dimensions (mm)

LED Work Light



Model Number	Dimension A	Dimension B
CWF3S-□-CD	300	260
CWF6S-□-CD	600	560
CWF9S-□-CD	900	860

CWF Standard Mounting Bracket (2 pcs)



Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Swivel Bracket	CWF-001
Magnetic Mounting Bracket	CWF-002

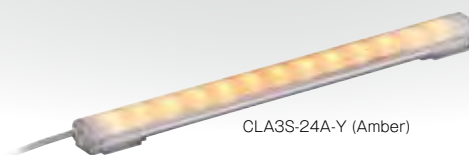
Specification

Description	Voltage Type	Length		
		300mm	600mm	900mm
Illuminance (@1m, center, typical)	DC	165lx	320lx	-
	AC	150lx	320lx	445lx

Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CWF3S-24-CD	24V DC	Daylight	5W	0.42kg
CWF6S-24-CD	24V DC	Daylight	10W	0.57kg
CWF3S-M2U-CD	100-240V AC	Daylight	5W	0.53kg
CWF6S-M2U-CD	100-240V AC	Daylight	10W	0.68kg
CWF9S-M2U-CD	100-240V AC	Daylight	15W	0.84kg

CLA-A



Model Number Configuration

CLA1S-24A-CD-30

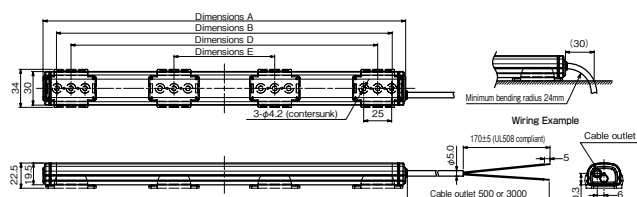
①

②

③

- | | | |
|--------------|------------------|----------------|
| ① Length | ② Luminous Color | ③ Cable Length |
| 1 = 100 mm | CD = Daylight | None = 0.5m |
| 2 = 200 mm | Y = Amber | 30 = 3.0m |
| 3 = 300 mm | * -Y: 300mm only | |
| 6 = 600 mm | | |
| 9 = 900 mm | | |
| 12 = 1200 mm | | |

Dimensions (mm)



Model	Dimension A Full Length	Dimension B Length of Illuminated Area	Dimension D Recommended Mounting Pitch	Dimension E	Number of Brackets Included (SZ-310AR)
CLA1S-	124	100	74	—	2
CLA2S-	224	200	174	—	2
CLA3S-	324	300	274	—	2
CLA6S-	624	600	574	—	2
CLA9S-	924	900	874	290	4
CLA12S-	1224	1200	1174	390	4

Optional Parts

For details refer to P. 93 to P. 98

Product Name	Model Number
Rear Screw Mount Bracket (M4 screws not included)	SZ-310AR
Rear Magnetic Mount Bracket (2 included)	SZ-310ARM
Side Screw Mount Bracket (M4 screws not included)	SZ-310AS
Side Screw Mount Bracket (M4 screws not included)	SZ-310ASB (Compatible with CLB-24N series)
Steel Rear Screw Mount Bracket (Screws not included)	SZ-310EU

Note: Take care to prevent the magnet (SZ-310ARM) from falling.
Use screw-on type brackets for permanent installations.

Specification

Description	Distance	Length of Illuminated Area						
		100mm	200mm	300mm (CD)	300mm (Y)	600mm	900mm	1200mm
Illuminance (Center, typical)	At 0.3m	-	-	-	-	1,425lx	1,575lx	1,600lx
	At 0.5m	140lx	270lx	400lx	220lx	650lx	810lx	890lx
	At 1.0m	35lx	70lx	105lx	60lx	200lx	280lx	340lx

Product List

Model Number	Length of Illuminated Area	Luminous Color	Rated Voltage	Cable Length	Power Consumption	Mass (0.5m Cable)	Mass (3.0m Cable)
CLA1S-24A-CD(-30)	100mm	Daylight	24V DC	0.5m / 3.0m	2.5W	0.08kg	0.165kg
CLA2S-24A-CD(-30)	200mm	Daylight	24V DC	0.5m / 3.0m	5W	0.13kg	0.215kg
CLA3S-24A-CD(-30)	300mm	Daylight	24V DC	0.5m / 3.0m	5.7W	0.18kg	0.265kg
CLA3S-24A-Y	300mm	Amber	24V DC	0.5m	5.7W	0.18kg	-
CLA6S-24A-CD(-30)	600mm	Daylight	24V DC	0.5m / 3.0m	11.6W	0.34kg	0.425kg
CLA9S-24A-CD(-30)	900mm	Daylight	24V DC	0.5m / 3.0m	17.3W	0.5kg	0.585kg
CLA12S-24A-CD(-30)	1200mm	Daylight	24V DC	0.5m / 3.0m	23W	0.66kg	0.745kg

CWA

LED

Indoor
UseMounting in
All
DirectionsAmbient
Temperature
-20°C~+60°C

Daylight

CE

RoHS
10

UL

FCC

IP65



Model Number Configuration

CWA3S-24-CD

①

②

③

④

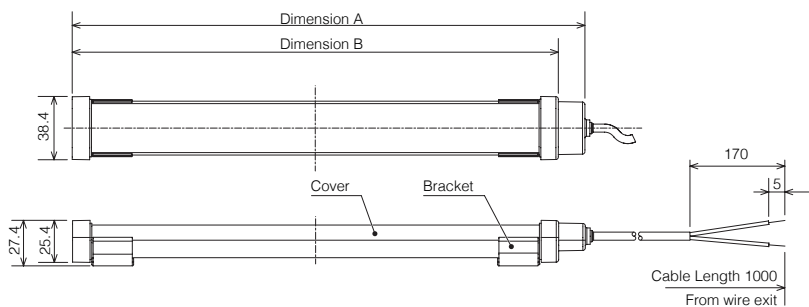
① Length
3 = 300mm
6 = 600mm
9 = 900mm

② Connector
S = Side-exiting Cable

③ Rated Voltage
24 = 24V DC

④ Luminous Color
CD = Daylight

Dimensions (mm)



Model Number	Dimension A	Dimension B
CWA3S-24-CD	315.5mm	300mm
CWA6S-24-CD	621.0mm	600mm
CWA9S-24-CD	916.5mm	900mm

Mounting Brackets



Holding Brackets



Specification

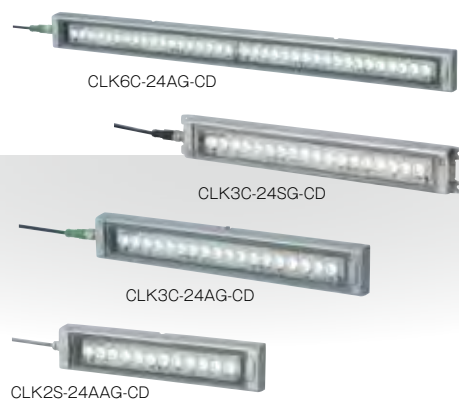
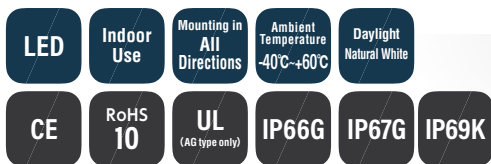
Description	Length		
	300mm	600mm	900mm
Illuminance (@1m, center, typical)	110lx	220lx	330lx

Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CWA3S-24-CD	24V DC	Daylight	5W	0.215kg
CWA6S-24-CD	24V DC	Daylight	10W	0.37kg
CWA9S-24-CD	24V DC	Daylight	15W	0.53kg

LED Work Light

CLK/CLK-A



Model Number Configuration

C: M12 Connector Type

CLK3C-24AG-CD

①

②

③

① Length

2C = 200mm, M12 Connector
3C = 300mm, M12 Connector
3CL = 300mm, Daisy Link
6C = 600mm, M12 Connector
6CL = 600mm, Daisy Link

② Material

AG = Body: Aluminum
Lens: Tempered Glass
SG = Body: Stainless Steel
Lens: Tempered Glass
SA = Body: Stainless Steel
Lens: Acrylic Resin + PET Film + Tempered Glass

③ Luminous Color

CD = Daylight
CN = Natural White (3C only)

S: Cable Type

CLK3S-24AAG-CD

①

②

③

① Length

2S = 200mm
3S = 300mm
6S = 600mm

② Material

AG = Body: Aluminum
Lens: Tempered Glass

③ Luminous Color

CD = Daylight
CN = Natural White (3S only)

Product List

Model Number	Rated Voltage	Length of Illuminated Area	Body Material	Lens	Wiring Type	Luminous Color	Power Consumption	Mass
CLK2C-24AG-CD+FL005	24V DC	200mm	Aluminum	Tempered glass	M12 connector	Daylight	8.4W	0.526kg
CLK3C-24AG-CD/CN	24V DC	300mm	Aluminum	Tempered glass	M12 connector	CD: Daylight CN: Natural white	12.5W	0.676kg
CLK3C-24SA-CD/CN	24V DC	300mm	Stainless steel	Acrylic resin + PET film + Tempered glass	M12 connector	CD: Daylight CN: Natural white	12.5W	1.450kg
CLK3C-24SG-CD/CN	24V DC	300mm	Stainless steel	Tempered glass	M12 connector	CD: Daylight CN: Natural white	12.5W	1.490kg
CLK3CL-24AG-CD	24V DC	300mm	Aluminum	Tempered glass	M12 connector Daisy link	Daylight	12.5W	0.676kg
CLK3CL-24SA-CD	24V DC	300mm	Stainless steel	Acrylic resin + PET film + Tempered glass	M12 connector Daisy link	Daylight	12.5W	1.450kg

Product List

Model Number	Rated Voltage	Length of Illuminated Area	Body Material	Lens	Wiring Type	Luminous Color	Power Consumption	Mass
CLK3CL-24SG-CD	24V DC	300mm	Stainless steel	Tempered glass	M12 connector Daisy link	Daylight	12.5W	1.490kg
CLK6C-24AG-CD	24V DC	600mm	Aluminum	Tempered glass	M12 connector	Daylight	25W	1.222kg
CLK6CL-24AG-CD	24V DC	600mm	Aluminum	Tempered glass	M12 connector Daisy link	Daylight	25W	1.222kg
CLK2S-24AAG-CD	24V DC	200mm	Aluminum	Tempered glass	0.5m cable	Daylight	8.4W	0.526kg
CLK3S-24AAG-CD/CN	24V DC	300mm	Aluminum	Tempered glass	0.5m cable	CD: Daylight CN: Natural white	12.5W	0.676kg
CLK6S-24AAG-CD	24V DC	600mm	Aluminum	Tempered glass	0.5m cable	Daylight	25W	1.222kg

Optional Parts

For details refer to P. 93 to P. 98

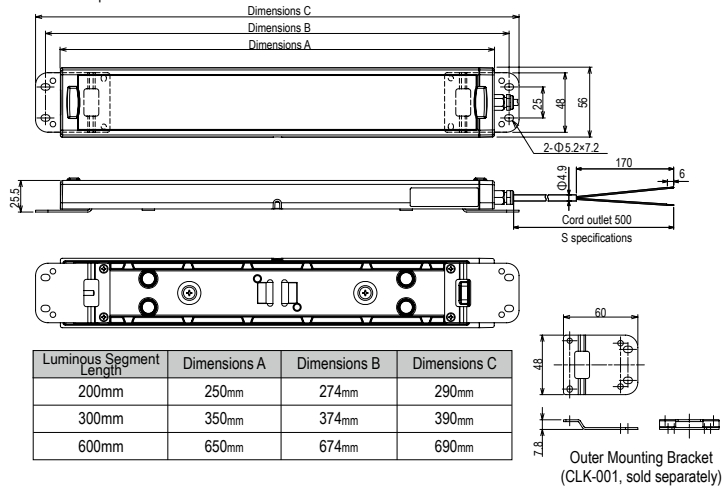
Product Name	Model Number
Outer Mounting Bracket	CLK-001
Swivel Bracket	SZ-320KS (1 pair)

Specification

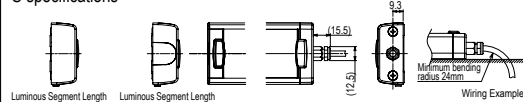
Description	Distance	Luminous Segment Length		
		200mm	300mm	600mm
Illuminance (Center, typical)	At 1.0m	820lx	1,200lx	2,100lx
	At 2.0m	200lx	300lx	580lx

Dimensions (mm)

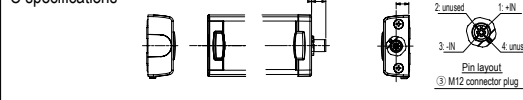
S-AG/C-AG specifications



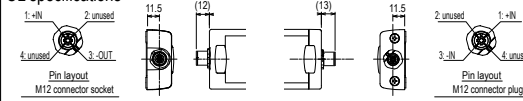
S specifications



C specifications

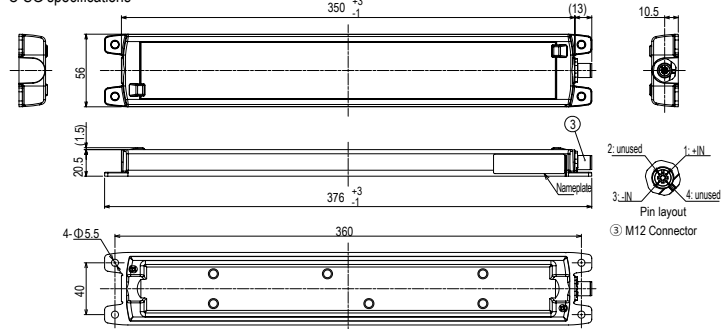


CL specifications



Caution
Please waterproof and oil-proof the end of the cable if it will come in contact with water or be in a low temperature environment.

C-SG specifications



LED Work Light

CLN-A

LED

Indoor
UseMounting in
All
DirectionsAmbient
Temperature
-40°C~+60°C

Daylight

CE

RoHS
10

UL

IP66G

IP67G

IP69K

Tilt Type

Pan/Tilt Type



Model Number Configuration

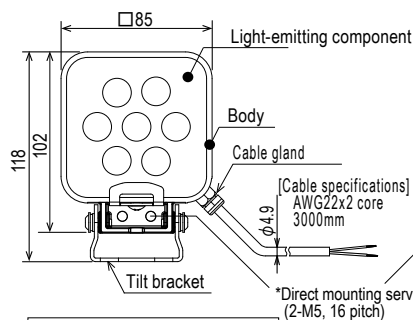
CLN-24A-CD-T

①

① Mounting
T = Tilt Type
PT = Pan/Tilt Type

Dimensions (mm)

■Tilt only (T type)



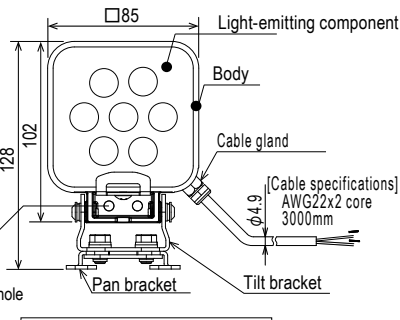
Mounting pitch (2-M6, 26 pitch)

■ Tilt only (T type)



Can tilt 180° and can be folded to 33mm for easier installation.

■Pan/Tilt (PT type)



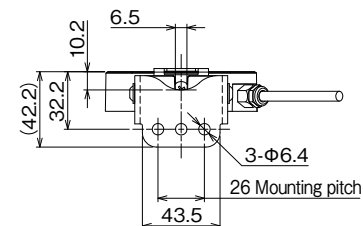
Mounting pitch (2-M6, 45 pitch)

■ Pan & Tilt (PT type)

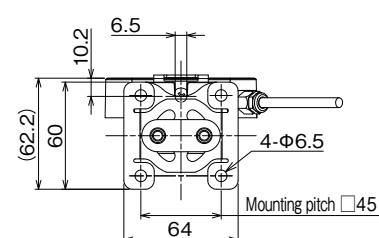


Can tilt 180° or rotated 120° to fit any application.
Can be folded to 43mm for easier installation.

Mounting dimensions (T type)



Mounting dimensions (PT type)



Product List

Model Number	Rated Voltage	Luminous Color	Power Consumption	Mass
CLN-24A-CD-T	24V DC	Daylight	4.2W	0.39kg
CLN-24A-CD-PT	24V DC	Daylight	4.2W	0.46kg

Specification

Description	Distance	
Illuminance (Center, typical)	At 1.0m	820lx
	At 2.0m	200lx

LED Work Light

CLE

LED

Indoor Use

Mounting in All Directions

Ambient Temperature
-25°C~+60°C

CE

RoHS 10

IP65F



CLE-24 (Wide Angle Type)



CLE-24N (Narrow Angle Type)

Model Number Configuration

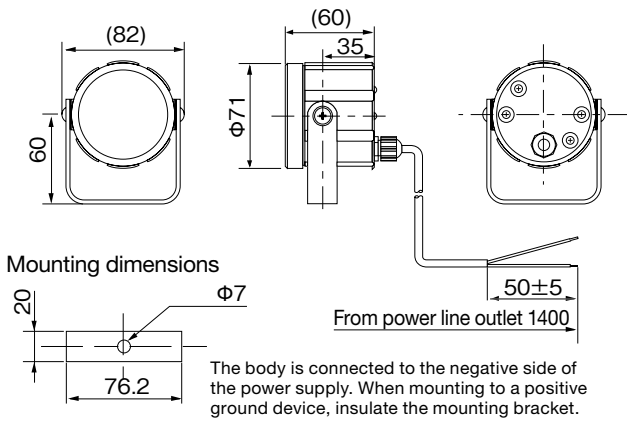
CLE-24N

① ②

① Rated Voltage
24 = 24V DC

② Irradiation Type
None = Wide Angle Type
N = Narrow Angle Type

Dimensions (mm)



Specification

Luminous Intensity

None: 25cd or more
N: 160cd or more

Product List

Model Number	Lens	Rated Voltage	Power Consumption	Mass
CLE-24	Translucent	24V DC	1.3W	0.3kg
CLE-24N	Clear (narrow angle type)	24V DC	1.3W	0.3kg

LAN/USB/
PoE/Wireless

Signal Tower

Beacons

Cube Tower

Audible Alarms
and MP3 Voice
Annunciators

Hybrid Signaling
Devices

LED Illumination

Optional Parts

Wall Mounting



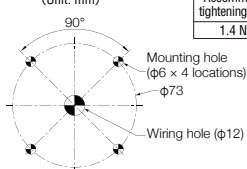
Material: SPCE

RoHS 10

Circular Bracket SZW-001W

Compatible products
LR series

Mounting dimensions (Unit: mm)



M5 Screws
Recommended
tightening torque
1.4 N·m



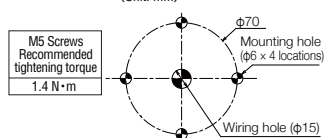
Material: PC

RoHS 10

Wall Mount Waterproof Bracket (For Φ80mm/Φ100mm) SZK-101

Compatible products
SKS / SKH
SF08 / SF10
SL08 / SL10

Mounting dimensions (Unit: mm)



* 3-screw types require rubber gasket.



Material: PC



Material: PC



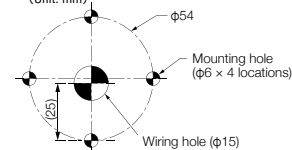
Material: PC

RoHS 10

Wall Mount Bracket

SZK-002W/U/K
Compatible products
LR4 / LR5

Mounting dimensions (Unit: mm)



M5 Screws
Recommended
tightening torque
1.4 N·m

SZK-003W/U/K
Compatible products
LR6 / LR7 / WDB / LA6

SZK-004W
Compatible products
LR6 / LR7 / LA6



Wiring can pass through bracket.

* Compatible M16xP1.5 cable gland sold separately.



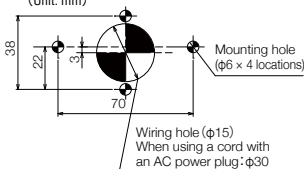
Material: SUS304

RoHS 10

Wall Mount Bracket (For Φ80mm/Φ100mm) SZK-102

Compatible products
SKS / SKH
SF08 / SF10
SL08 / SL10

Mounting dimensions (Unit: mm)



M5 Screws
Recommended
tightening torque
1.4 N·m

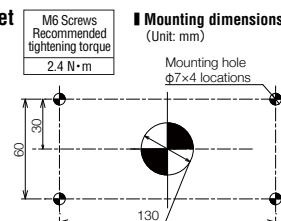


Material: SUS304

RoHS 10

Wall Mount Bracket (For Φ150mm) SZK-103

Compatible products
SKP / SL15



M6 Screws
Recommended
tightening torque
2.4 N·m



Material: PC

RoHS 10

Cover for Wall Mount Bracket SZK-104

Compatible products
SZK-102

Safety Note: Use Wall Mount Bracket Cover when installing M12 type units to prevent wiring from being exposed.



Material: PC

RoHS 10

Cover for Wall Mount Bracket SZK-105

Compatible products
SZK-103

Safety Note: Use Wall Mount Bracket Cover when installing M12 type units to prevent wiring from being exposed.



Material: SECC

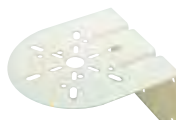
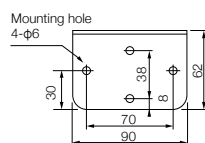
RoHS 10

Wall Mount Bracket SZ-007

Compatible products
SKS-M1 / SKH-M1
SF08-M1J / SF10-M1J
SL08-M1J / SL10-M1J

(Models with a mounting pitch of Φ50 or Φ70.)

Mounting dimensions (Unit: mm)



Material: SECC

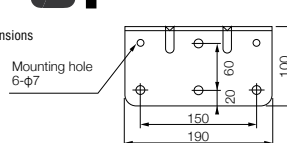
RoHS 10

Wall Mount Bracket SZ-008

Compatible products
SKS-M1 / SKH-M1 / SKP-M1
SF08-M1J / SF10-M1J
SL08-M1J / SL10-M1J / SL15-M1J

(Models with a mounting pitch of Φ50, Φ70, Φ120, Φ140, and □74.)

Mounting dimensions (Unit: mm)



Material:
Bracket SECC
Bracket cover AES

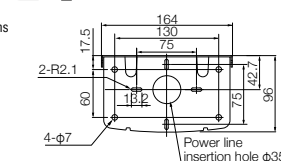
RoHS 10

Wall Mount Bracket with Cover SZ-023

Compatible products
SKS / SKH / SKP
SF08-J / SF10-J
SL08-J / SL10-J / SL15-J

(Models with a mounting pitch of Φ50, Φ70, Φ120, Φ140, and □74.)

Mounting dimensions (Unit: mm)



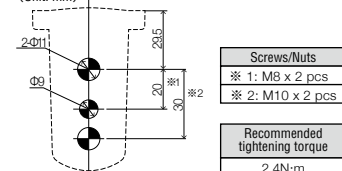
Material: PC

RoHS 10

Wall Mount Bracket NE-002D

Compatible products
NE-A / NE-IL

Mounting dimensions (Unit: mm)



Screws/Nuts
※ 1: M8 x 2 pcs
※ 2: M10 x 2 pcs

Recommended
tightening torque
2.4N·m



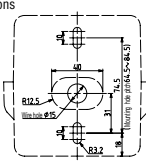
Material: ABS

RoHS 10

Wall Mount Bracket RF-001

Compatible products
RFV / RFT

Mounting dimensions (Unit: mm)



Installation image



* Attach using two M6 screws.



Material: ABS

RoHS 10

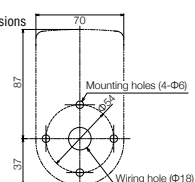
Wall Mount Bracket SZ-110 (Off-white)

SZ-110D (Dark gray)

SZ-110S (Silver)

Compatible products
LS7

Mounting dimensions (Unit: mm)



Poles and Pole Assemblies

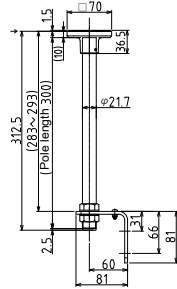
70 mm



SZ-40L

Compatible products
KUS

■ Mounting dimensions (Unit: mm)



Materials: ADC12,
Carbon Steel Tubes for
Machine Structural Purposes 11
type A, SPHC, EPT

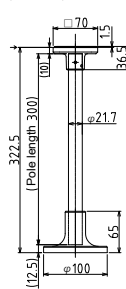
RoHS
10



SZ-40T

Compatible products
KUS

■ Mounting dimensions (Unit: mm)



Circular mount
SZ-010 type included
Materials: ADC12,
Carbon Steel Tubes for
Machine Structural Purposes
11 type A, SPHC, EPT

RoHS
10

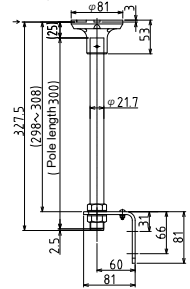
φ81 mm



SZ-30L

Compatible products
SKH-EA

■ Mounting dimensions (Unit: mm)



Materials: ADC12,
Carbon Steel Tubes for
Machine Structural
Purposes 11 type A,
SPHC, EPT

RoHS
10

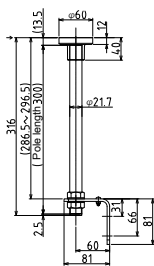
φ60 mm



SZ-70L

Compatible products
LA6

■ Mounting dimensions (Unit: mm)



Materials: ADC12,
Carbon Steel Tubes for
Machine Structural Purposes
11 type A, SPHC, EPT

RoHS
10



Steel Pole

22POLE-300

Compatible products
LA6

22POLE-500

Compatible products
LA6

22POLE-1000

Compatible products
LA6

Materials:
carbon steel pipes
for ordinary piping

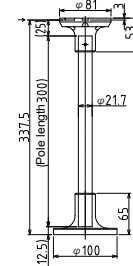
RoHS
10



SZ-30T

Compatible products
SKH-EA

■ Mounting dimensions (Unit: mm)



Circular mount
SZ-010 type included
Materials: ADC12,
Carbon Steel Tubes for
Machine Structural
Purposes 11 type A

RoHS
10

■ Aluminum Pole

(Bind tapping screw for affixing pole (2 screws) included)

*When cutting the poles, do not cut with pole cutters. Use a fret saw, power saw, or jigsaw.

*If changing from direct mounting specifications to pole mounting specifications, please purchase pole brackets together with the aluminum pole.

N type

100mm

Type: POLE22-0100AN(K)



300mm

Type: POLE22-0300AN(K)

500mm*

Type: POLE22-0500AN

NK type

800mm*

Type: POLE22-0800AN(K)

1000mm*

Type: POLE22-1000AN

T type

100mm

Type: POLE22-0100AT



300mm

Type: POLE22-0300AT

500mm

Type: POLE22-0500AT

800mm

Type: POLE22-0800AT

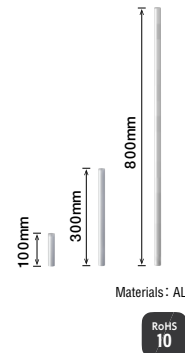
1000mm

Type: POLE22-1000AT



Nut
included

*Compatible brackets: SZK-001U, SZP-002U, SZ-010. *We accommodate pole lengths other than the above as custom orders.
Compatible pole lengths: 150mm, 200mm, 250mm, 350mm, 400mm, 450mm, 600mm, 700mm, 900mm



POLE-800A21+00109

Compatible products
SZP-004W

POLE-300A21+00109

Compatible products
SZP-004W

POLE-100A21+00109

Compatible products
SZP-004W

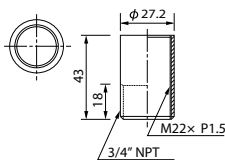
Materials: AL

RoHS
10

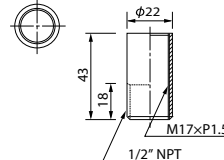
NPT Adaptor



SZ-904



SZ-903



Pole Bracket



SZ-010

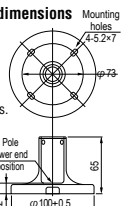
(For φ21.7 Pole)

Compatible products
LA6 / LR6-USB / WDB
*The cable cannot be laid out sideways.

Material: ADC12

RoHS
10

Corresponding pole
POLE22-AN
POLE22-AT
POLE-A21



SZ-016A

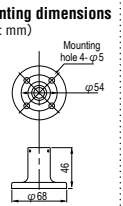
(For φ21.7 Pole)

Compatible products
LA6 / LR6-USB / WDB

Material: ADC12

RoHS
10

Corresponding pole
POLE-A21



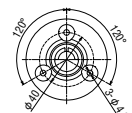
SZP-004W

Compatible products
LR6-USB
(POLE-100A21
used with +00109),
WDB

Material: ADC

RoHS
10

Corresponding pole
POLE-A21



Platform Bracket

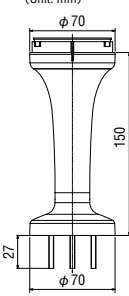


Material: Heat-resistant ABS
RoHS 10

SZ-100 (Off-white)
SZ-100D (Dark Gray)
SZ-100S (Silver paint)

Compatible products
LS7

Mounting dimensions



Pole Bracket



Material: PC
RoHS 10

NE-001D

Compatible products
NE-A / NE-IL

Corresponding pole
POLE22-AN (excluding NE-IL)
POLE22-AT (excluding NE-IL)
POLE-A21

Multi-mount Bracket



SZ-130 SZ-130S SZ-130D
Material: PC
RoHS 10

SZ-130

Compatible products
LS7

RoHS 10

Partition Mounting Bracket



Material: SECC

NH-PST

Compatible products
NH-FB

RoHS 10

Desktop Platform



SZW-060W

Compatible products
LA6-5DTNWB-POE,
LA6-5AWJWB-RYGBG

RoHS 10



Material: SECC

SZW-002W

Compatible products
LR4-02WJ, LR5-0□W□,
LR6-02WJ, LR6-1LWM, LR6-USB
WDB, PWS

RoHS 10

Rack Mounting Bracket



Material: SECC

NBM-ANG

Compatible products
NBM

RoHS 10

Ceiling Mounting Bracket



Material: SPCE

SZW-101

Compatible products
SKH/SF10/SL10

RoHS 10



Material: ABS

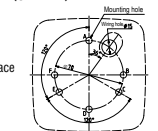
RF-002

Compatible products
RFV, RFT

*It cannot be used in a place exposed to water.

RoHS 10

Mounting dimensions



*If screwing in 2 locations, use A-D and B-F; if mounting in 3 locations, use A-C-E. Please mount with M6 screws.

Rubber Gasket



Material: Silicon

SZW-102

Compatible products
SKS / SF08 / SL08
3-point bolt foot mounting type

RoHS 10



Material: Silicon

SZW-103

Compatible products
SKH/SF10/SL10
3-point bolt foot mounting type

RoHS 10

Serial Cable



WDX-SC01

Approximately 3 m long.

Compatible products
WDB

RoHS 10

WD System Setup Kit



WDX-4LRB

Compatible products
WDT-4LR-Z2

RoHS 10



WDX-5LRB

Compatible products
WDT-5LR-Z2

RoHS 10



WDX-6LRB

Compatible products
WDT-6LR-Z2

RoHS 10

WD System Setup Software



WDS-WIN01

Compatible products
WDR-Z2-PRO / WDR-Z2

* Free version is limited to changing the transmitter and receiver settings. Data collection only available with paid license.

Tint Film



NHL-TF

Compatible products
NHL-FV2 / NHL-FB2

NHP-TF

Compatible products
NHP-FV2 / NHP-FB2 / PHE-3FB3

RoHS 10

Universal AC Adapter



ADP-001

Compatible products
NH / NBM-D88N / PHE-3FB3
PHC-D08 / WDR-LE-Z2
WDX-5LRB / WDX-6LRB
WDR-LE-Z2-PRO(-L)

Compatible countries
Japan, Europe, U.S., China, Korea,
Taiwan, Thailand, Indonesia, Canada,
Philippines, Vietnam

RoHS 10

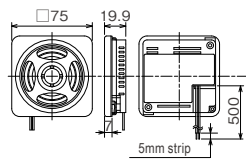
Speaker



SPB-2E-W(Off-white)
2W 8Ω

RoHS
10

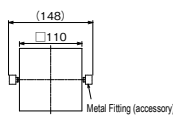
■ Mounting dimensions (Unit: mm)



SPB-5E(Light Gray)
5W 8Ω

RoHS
10

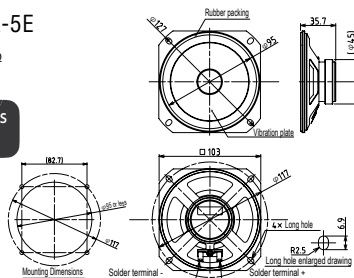
■ Mounting dimensions (Unit: mm)



SPL-5E
5W 8Ω

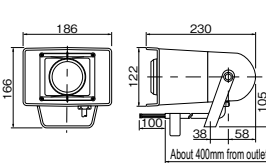
RoHS
10

■ Mounting dimensions (Unit: mm)



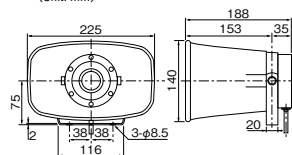
SPW-5E(Light Gray)
5W 8Ω

■ Mounting dimensions (Unit: mm)



SPH-10EA
10W 8Ω

■ Mounting dimensions (Unit: mm)



Cable Gland



REL-001

Compatible products
REL / EDLR

RoHS
10

Materials:
Copper alloy, nickel plating

SD Card



SDV-2GP

Compatible products
Various voice annunciator alarms

RoHS
10

Mounting Bracket

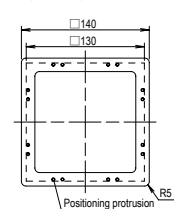


BK-001

Compatible products
BK / BKV / SPB-5E
BK-001
Can be used to install older
products with □130mm mounting
holes.

RoHS
10

■ Mounting dimensions (Unit: mm)

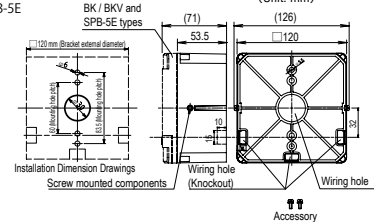


BK-002-J (Light gray)
BK-002-K (Dark gray)

Compatible products
BK / BKV / SPB-5E

RoHS
10

■ Mounting dimensions (Unit: mm)





RoHS
10

Connector with cable
(OMRON model)
SZ-120-02 (2m)
(XS2F-D821-DH0-R)

SZ-120-05 (5m)
(XS2F-D821-GH0-R)

SZ-120-10 (10m)
(XS2F-D821-JH0-R)

Compatible products
LS7, LR6-WC

Mounting Bracket for LED Work Light



SZ-310AR
Rear Screw Mount Bracket (2 included)

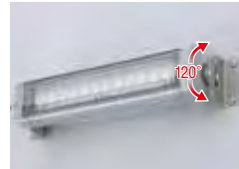
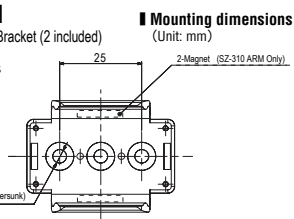


Material: PC

SZ-310ARM
Rear Magnetic Mount Bracket (2 included)

Compatible products
CLA-A

RoHS
10

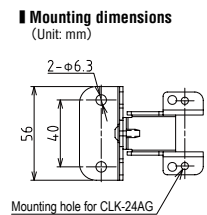


Materials:
Cold rolled stainless steel plate
(SUS304)

SZ-320KS

Compatible products
CLK / CLK-A / CWK

RoHS
10

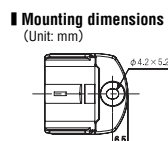


Material: PC

SZ-310AS
Side Screw Mount Bracket (2 included)

Compatible products
CLA-A

RoHS
10

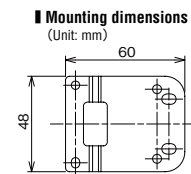


Material:
Cold rolled stainless steel plate
(SUS304)

CLK-001

Compatible products
CLK / CLK-A

RoHS
10

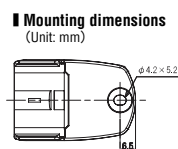


Material: PC

SZ-310ASB
Side Screw Mount Bracket
Compatible with CLB-24N. (2 included)

Compatible products
CLA-A

RoHS
10

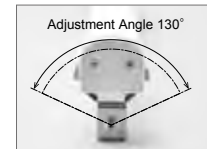


Material: SUS304

CWF-001
Swivel Bracket

Compatible products
CWF

RoHS
10



Adjustment Angle 130°
※Accessory Bracket Screw 2pcs included.
Mounting screws not included.

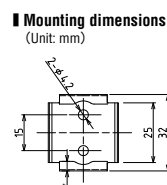


Material: Stainless Steel

SZ-310EU
Steel Rear Screw Mount Bracket, silver

Compatible products
CLA-A

RoHS
10



Material: Neodymium Magnet

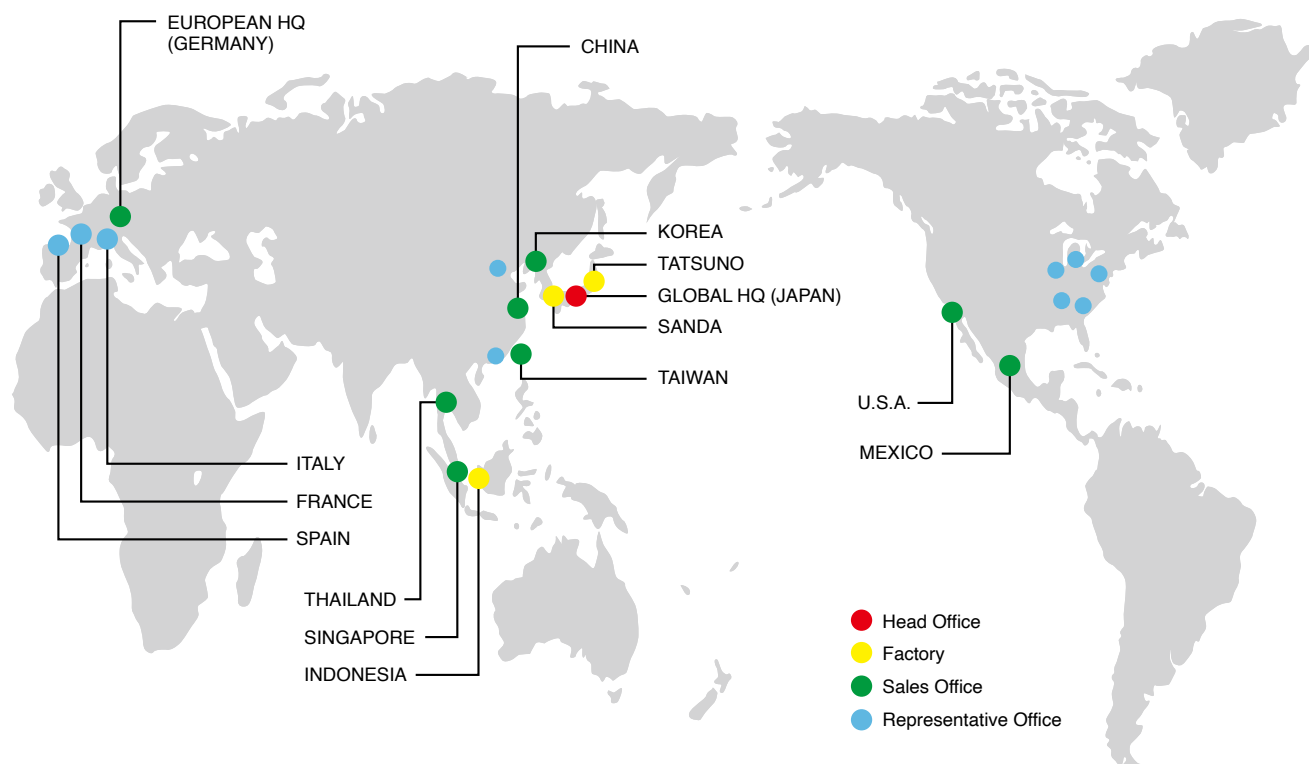
CWF-002
Magnetic Mounting Bracket

Compatible products
CWF

RoHS
10

※Accessory Bracket Screw 2pcs included

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CAUTION

To ensure correct use of these products, read the "Instruction Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Specifications are subject to change without notice.