



Pre-Sale Questions

	Applies to (Series)							
	65	15	125	250	500	130		
How far can the control be from installed from the motor	√	√	√	√	√	√	√	Voltage drop is the concern - generally 50 feet or less is acceptable without special considerations - above 50 feet the gauge wire used should be increased. We do not recommend over 300 feet
Can I use the FIELD to power another device?		√	√	√	√	√		You can, as long as the load does not exceed 1A at the voltage available (100V for 120VAC; 200V for 230VAC) under any conditions. Keep in mind this is full wave rectified DC
Will the control run at 50HZ instead of 60HZ?		√	√	√	√	√	√	Yes
If the control I need does not come in an enclosed model, how large should the enclosure I use be?	√	√	√	√	√	√		Take 3 times the Volume of the control - this is the minimum free air space needed
Do I have to buy an option card for remote 0-10VDC input from a PLC. Can't I just wire directly to the potentiometer circuit	√		√	√	√	√		For the GSD1 the answer is yes. Yes also for GSD4,5,6,7 IF the signal is isolated. Connect +V to Wiper and -V to Pot Lo
What happens to the motor performance when you run it at 50HZ.		√	√	√	√	√		The motor may lose some top end speed - adjust the MAX trim pot to compensate
Will the control operate if I give it 208 single phase input instead of 230 VAC single phase input for a 180 VDC PM motor.		√	√	√	√	√		Yes. It may be necessary to increase the MAX setting
I want to run a 90 VDC motor, but I only have 230 VAC single phase available. Can I run a 90VDC PM motor off of 230 VAC single phase input/0-180 VDC output control?		√	√	√	√	√		Yes - adjust the MAX setting down to limit the output voltage. Depending on the application and duty cycle, the motor may experience accelerated brush wear
Can I get the Dynamic Breaking or Reversing option on the control?	√	√	√	√	√			DB is normally provided by the user if not a feature of the drive - see User's Manual. A reversing switch option (GSDA-MREV) will work with any drive up to and including 2HP
What does the IR compensation trim pot on the control do.		√	√	√	√	√		This the 'cruise control' for the drive, automatically adjusting for changes in motor speed due to loading, temperature, line voltage, etc



Post-Sale Questions	65	15	125	250	500	130		
I blow a fuse on immediately when I apply power to the control. Why?	√	√	√	√	√	√		There is likely a short to earth ground in the control, motor, or wiring between. If it is in the control, it will need to be repaired/replaced
Your controls come with a ceramic fuse. Can I use a glass fuse?	√	√	√	√	√	√		Not recommended - see User's Manual for more information
What is the rating of the speed potentiometer on your controls	√		√	√	√	√		5000 ohm 1/2 watt
Can I use a 10K Ohm/0.5 watt speed potentiometer instead of the one you supply.	√		√	√	√	√		Yes
Are there dip switches or jumpers for setting 120 or 240 VAC input.		√	√	√	√	√	√	No
I have three leads from my motor - where do they connect to the control?	√	√	√	√	√	√		The vast majority of DC motors on the market are Permanent Magnet design - two of the leads connection to +ARM and -ARM ont eh control. The third lead is ground - this lead may be connected to the metal fram of the control but NEVER to any terminal strip connection EXCEPT the 533BC, which has this connection provided. Connecting the motor armature to the FIELD connections on the control like likely casue damage to the control. FIELD connections are only used when a Field or Shunt wound motor is being used
My motor continues to turn slowly when I turn the control knob to the off position. WHY?	√	√	√	√	√	√	√	(Applies to '0' setting on DP4) - the drive MIN trim setting may be too high
My motor speed surges up and down. WHY?	√	√	√	√	√	√		IR COMP setting too high