

# VARIABLE SPEED MOTOR CONTROL

## Variable Speed Electric Motor Controls

For 3 phase 230 VAC motors from 1 to 25 hp and 3 phase 460 VAC motors from 1 to 60 hp.

- **10:1 Infinitely Variable Speeds Controls** provide accurate positioning of loads, soft starts and soft stops, and overload protection.
- **Frequencies greater than 60 Hz** are possible in no load or light load conditions decreasing rigging time.
- **Diagnostic and Troubleshooting Capabilities:** digital display provides drive status
- **Programmable Performance** keypad is adjustable to control acceleration and deceleration rates.
- **Steel Enclosure NEMA 12 rated** (indoor). NEMA 4 rated (watertight) enclosures also available.
- **Pendant Control Switch NEMA 4X rated** (watertight) with 3 step infinitely variable speed push buttons on 50 foot cord, allows operator to stand away from winch during operation. Pendant control is operated with momentary contact-type push buttons. Cord lengths of less than 50 feet are available, please specify when ordering.



- **UL, IEC, or CSA Recognized** components throughout.
- **Electronic Thermal Overload Relay** provides motor overload protection and is field programmable.
- **Wiring Diagram** is supplied inside enclosure.
- **Options Available include** multiple axis, remote controls, mainline contact, disconnect switch, enclosure temperature controls, indicating lights, selector switches, horn and bells, meters and limit switches. Contact factory for more information.
- **Explosion Proof Controls** also available, please contact factory for more information.
- **Two-Year Limited Warranty**



Thern products are not for lifting people or things over people.

### Variable Speed Electric Motor Controls – Horsepower Ratings – Section 8

Please specify voltage, phase, and motor hp when ordering. Contact factory for other required voltages and options. **IMPORTANT! Please see notes below before ordering.**

model number	maximum rated motor horsepower for power supply current		approx. ship wt.
	230/3/60	460/3/60	
10V1D12L	1 hp	—	100 lb
10V2D12L	2 hp	—	100 lb
10V3D12L	3 hp	—	100 lb
10V5D12L	5 hp	—	100 lb
10V7D12L	7.5 hp	—	120 lb
10V10D12L	10 hp	—	120 lb
10V15D12L	15 hp	—	120 lb
10V20D12L	20 hp	—	210 lb
10V25D12L	25 hp	—	210 lb
10V1E12L	—	1 hp	100 lb
10V2E12L	—	2 hp	100 lb
10V3E12L	—	3 hp	100 lb
10V5E12L	—	5 hp	100 lb
10V7E12L	—	7.5 hp	100 lb
10V10E12L	—	10 hp	100 lb
10V15E12L	—	15 hp	120 lb
10V20E12L	—	20 hp	180 lb
10V25E12L	—	25 hp	180 lb

When ordering winch, specify brake voltage to be the same as motor voltage, leads must be capable of being wired separate from motor power. Price includes dynamic brake resistor to be mounted and wired by others. Contact factory to verify drive compatibility to winch and motor. Controls shipped separately to be mounted and wired by others.

**WHEN ORDERING PLEASE INCLUDE THE FOLLOWING:** voltage and phase required, motor horsepower, pendant control cord length – up to 50 feet, and pendant control labeling – For/Rev or Up/Down.

#### Important:

It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.