

INTERACTIVE Phase-Guard options / descriptions

The following options can be ordered when purchasing a new unit or added later via software purchase through our webstore.

Reverse Phase detection: - R

Often called negative phase sequence. This feature prevents motors from operating when phases are out of proper sequence by keeping the Phase-Guard from resetting to normal until proper phase sequence is restored.

Low Voltage Detection: - LV

Brownout protection. This feature will trip the relay when voltage on all 3 phases drop to 70% of nominal operating voltage and automatically reset when voltage returns to 90% of nominal. There is a 2 second delay built in to prevent nuisance tripping.

Low Voltage Adjustment: - LVA

This feature allows user adjustment of the low voltage or brownout trip point and time delay. Available trip point range is 65% to 85%. Time delay range .5 to 30 seconds.

Over Voltage Detection: - OV

This feature will trip the relay when voltage on all 3 phases exceeds 115% of nominal, and automatically reset when voltage returns to 105%. There is a 2 second delay built in to prevent nuisance tripping.

Over Voltage Trip Point Adjustment: - OVA

This feature allows user adjustment of the high voltage trip point and time delay. Available trip point range is 108% to 120%. Time delay range .5 to 30 seconds.

Reset Time Delay Adjustment: - RTD

After the relay has tripped and normal voltage is restored, this feature will delay the relay from resetting to normal for the time period selected. Range is .5 seconds to 5 minutes and includes manual reset.

Phase Loss Time Delay Adjustment: - ADJ

When a phase loss or phase unbalance is detected, this feature will delay the relay from tripping for the time period selected. Range is .5 to 30 seconds.

NORMAL RELAY SELECTOR: - NRS

This feature enables the unit to function as either a normally energized or de-energized device (P or PND) simply through software selection. Changing the entire relay function is just that easy.

Special Order via Factory only –

Remote Display Module: - X

Includes special Phase-Guard relay provided without display, pushbuttons, or usb, combined with 10 ft. cable, and remote display box for panel mounting which includes all the aforementioned features.

Enclosure - E

NEMA #12 – std. 8x6x4" steel UL listed with solid hinged door. A hole is provided at the input terminal end to accommodate a 3/4" conduit fitting. Mounting holes are 8 3/4" x 4".

USB cable - 10' length for connecting Phase-Guard relay to a laptop computer.