

INTERACTIVE Phase-Guard options

The following options are accessed via the Admin Tool software (free download from our website @ www.taylorphaseguard.com) using a USB cable connected to a laptop computer.

The function of each feature is indicated below.

Lost Phase Identifier – L

Identifies the bad phase after a phase loss event. (L1, L2, L3)

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.

Adjustable phase unbalance: - AUB

Trip settings for phase unbalance are adjustable from 5% to 15%. Default is 12%.

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

Enables adjustment of the low voltage or brownout trip point and time delay. Trip point range is 65% to 85%. Time delay range .5 to 15 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

Enables adjustment of high voltage trip point and time delay settings. Trip point range is 108% to 120%. Time delay range .5 to 15 seconds.

Reset Time Delay Adjustment: - RTD

Relay is delayed from resetting to normal after a fault has occurred. Range is .5 seconds to 10 minutes and includes manual reset.

Normal Operation Delay – NOD

Prevents the Phase-Guard from functioning for a set time (0 sec – 10 Min.) after the relay resets to normal following a fault.

Power up time delay: - PUT

Prevents the Phase-Guard from functioning for a set time (0 sec – 10 Min.) following a total power outage. Delay possible from either normal or trip mode. Software Selectable.

Normal Relay Selector: - NRS

This feature enables the unit to function as either a normally energized (P) or de-energized (PND) through software selection. Note: Output contacts change function and must be removed when making this change.