

## Features

Four adjustment pots provide versatility for all kinds of applications.

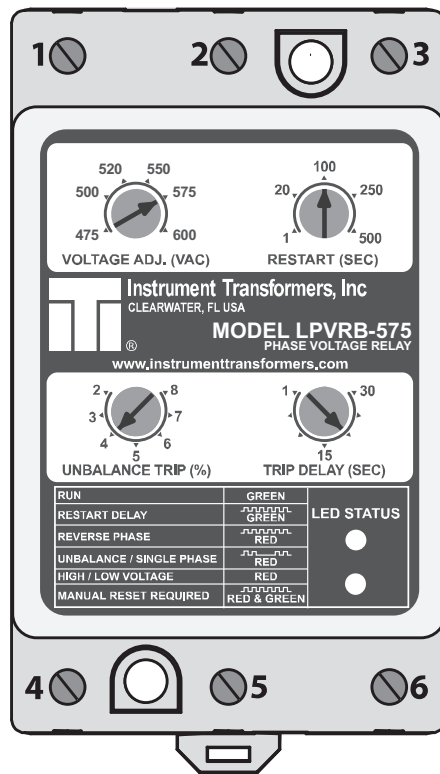
Range from 475-600 VAC 50/60 Hz provides the versatility needed to handle global applications.

Diagnostic LEDs indicate trip status and provide simple trouble shooting.

Microcontroller based circuitry provides better accuracy and higher reliability than analog designs.

Transient protected to meet IEEE and IEC standards and operate under tough conditions.

Will detect single phase condition regardless of regenerated voltages.



## PHASE VOLTAGE RELAY

**Model LPVRB-575**

**Three Phase Voltage Monitor**

**Engineered Protection**

**Microcontroller Based**

**Protects 3-Phase motors from:**

- Loss of any Phase
- Low Voltage
- High Voltage
- Voltage Unbalance
- Phase Reversal
- Rapid Cycling

**Additional Features:**

- Compact Design
- UL and cUL listed
- CE Compliant
- Finger Safe Terminals
- 5 year Warranty
- Made in USA
- Standard Surface or DIN Rail Mount
- Standard 1-500 sec. Variable Restart Delay
- Standard 2-8% Variable Voltage Unbalance
- Standard 1-30 sec. Variable Trip Delay
- One 10 Amp General Purpose Form C Relay
- Optional Manual Reset

The **Model LPVRB-575** is designed to protect 3-phase loads from damaging power conditions. Its wide operating range combined with UL and CE compliance enables quick access to domestic and global markets.

A unique microcontroller-based voltage and phase sensing circuit constantly monitors the three phase voltages to detect harmful power line conditions. When a harmful condition is detected, the LPVRB-575's output relay is deactivated after a specified trip delay. The output relay reactivates after power line conditions return to an acceptable level for a specified amount of time (Restart Delay) or after a manual reset. The trip and restart delays prevent nuisance tripping due to rapidly fluctuating power line conditions.

An adjustment is provided to set the nominal line voltage from 475-600 VAC. Other adjustments include a 1-30 second trip delay, a 1-500 second restart delay, and a 2-8% voltage unbalance trip point adjustment.

Two LEDs indicate the status of the Model LPVRB-575; Run Light, Under Voltage, Over Voltage, Phasing Fault/ Reverse Phase, and Manual Reset.

The LPVRB-575 ships with a jumper installed for automatic restart. A connector with two 12" wires is included for manual reset switch.

