



Features:

- Protects motor from:
 - Phase loss (single phasing)
 - Phase reversal
 - Low voltage
 - Voltage unbalance
- Diagnostic LED
- UL listed
- 5-year warranty
- Made in USA

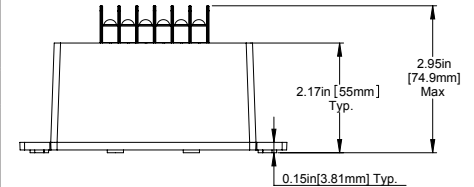
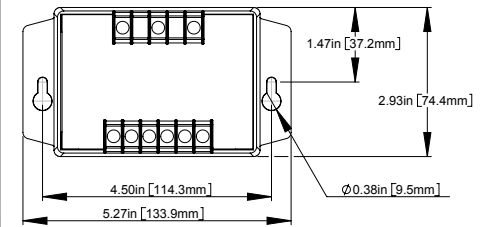
The Model 102-600 is a voltage monitor designed to protect 3-phase, 475-600VAC, 50/60Hz motors from damage caused by low voltage, voltage unbalance, single phasing, and phase reversal.

A unique microcontroller-based voltage sensing circuit constantly monitors the single-phase voltages to detect harmful power line conditions. When a harmful condition is detected, the 102-600's output relay is deactivated after a fixed trip delay. The output relay reactivates after power line conditions return to an acceptable level and a fixed amount of time has elapsed (restart delay). The trip delay prevents nuisance tripping due to rapidly fluctuating power line conditions.

Specifications

| Functional Characteristics | |
|---|---|
| Low Voltage (% of setpoint) | |
| Trip | 90% $\pm 1\%$ |
| Reset | 93% $\pm 1\%$ |
| Voltage Unbalance | |
| Trip | 6% |
| Reset | 4.5% |
| Trip Delay Times | |
| Low voltage | 4 seconds |
| Unbalanced voltage and single-phasing faults (>15%UB) | 2 seconds |
| Restart Delay Times | |
| After a fault | 2 seconds |
| Input Characteristics | |
| Supply Voltage | 475-600VAC |
| Frequency | 50/60 Hz (note: 50Hz will increase all delay timers by 20%) |
| Output Characteristics | |
| Output Contact Rating - SPDT | |
| Pilot Duty | 480VA @ 240VAC |
| General Purpose | 10A @ 240VAC |
| General Characteristics | |
| Operating Temperature (Surrounding Air) | -40° to 70° C (-40° to 158° F) |
| Maximum Input Power | 5 W |
| Relative Humidity | 10-95%, non-condensing per IEC 68-2-3 |
| Terminal Torque | 7 in.-lbs. |
| Wire Gauge | 12-22 AWG Solid or stranded |
| Standards Passed | |
| Electrostatic Discharge (ESD) | IEC 61000-4-2, Level 3, 6kV contact discharge and 8kV air discharge |
| Radio Frequency Immunity (RFI), Radiated | 10V/m |
| Fast Transient Burst | IEC 61000-4-4, Level 3, 4kV input power, 2kV inputs/outputs |
| Surge Immunity | |
| IEC | IEC 61000-4-5, ± 6 kV line to line, ± 6 kV line to ground |
| Safety Marks | |
| UL listed | UL508 (File #E68520) |
| Dimensions | 2.93" H x 5.275" W x 2.95" D |
| Weight | 14 oz. |
| Mounting Method | Surface mountable, #8 screws |

Enclosure Dimensions



How to order:

Part Number: 102-600



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