



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.

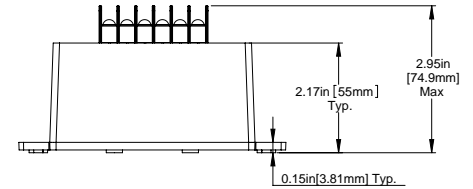
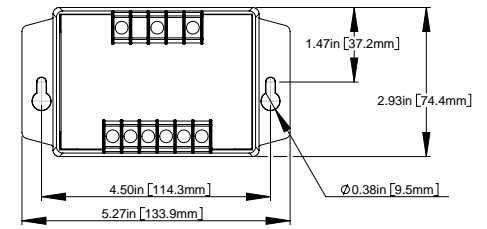
A unique microcontroller-based voltage sensing circuit constantly monitors the single-phase voltages to detect harmful power line conditions. When a harmful condition is detected, the 102-600's output relay is deactivated after a fixed trip delay. The output relay reactivates after power line conditions 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, \pm 6kV line to line, \pm 6kV 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

