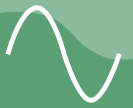


# POWER MONITORING & PROTECTION

## MOTORSAVER™ THREE-PHASE VOLTAGE MONITOR 355 SERIES



### DESCRIPTION

The **MotorSaver™ 355 Series Three-Phase Voltage Monitors** are designed to protect three-phase motors regardless of size. The **355-200** model monitors 190-240 VAC input voltages, the **355-400** model monitors 380-480 VAC input voltages, and the **355-600** model monitors 575-600 VAC input voltages. The unique microprocessor-based voltage and phase-sensing circuit constantly monitors the three-phase voltages to detect harmful power line conditions, including single phasing, low-voltage, phase reversal, voltage unbalance, and high voltage. When a harmful condition is detected, the **355 Series** output relays are deactivated after an adjustable trip-delay time period. The output relay reactivates after power line conditions return to an acceptable level for an adjustable restart delay time. The trip and reset delays prevent nuisance tripping due to rapidly fluctuating power line conditions.

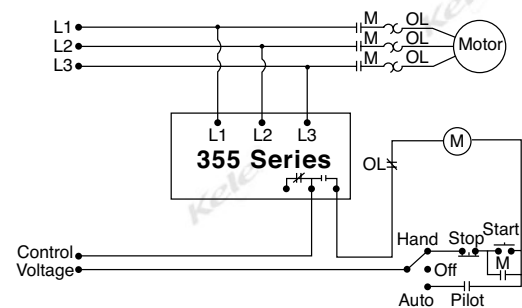
### FEATURES

- **Protection of three-phase motors from loss of any phase, low-voltage, phase reversal, voltage unbalance, and high voltage**
- **Adjustable restart delay**
- **Adjustable trip delay**
- **Adjustable voltage-unbalance trip point**
- **Four diagnostic LEDs show overvoltage, undervoltage, voltage unbalance, reverse-phase and normal conditions**
- **UL and ULC listed**
- **Single-phase condition detection regardless of regenerated voltages**



355-400

### WIRING



Shown de-energized

### SPECIFICATIONS

<b>Supply Voltage</b>	model specific 190-240, 380-480, or 575-600 VAC	<b>Trip Delay Time Low Voltage</b>	2-30 seconds, adjustable
<b>Supply Watts</b>	6W maximum	<b>Trip Delay Time Phase Fault</b>	0.5 seconds
<b>Frequency</b>	50*/60 Hz	<b>Trip Delay Time Unbalance</b>	2-30 seconds, adjustable
<b>Relay Rating</b>	* 50 Hz will increase all delay times by 20% SPDT, pilot duty 470 VA @ 600 VAC (400 or 600V range) General-purpose 10A @ 240 VAC (200V range) 1hp @ 240 VAC (200V range)	<b>Voltage Unbalance Reset</b>	Trip setting minus 1%
<b>Transient Protection</b>	2500V for 10 ms	<b>Voltage Unbalance Trip</b>	2% to 8%, adjustable
<b>Low Voltage Trip</b>	90% of setpoint ( $\pm 1\%$ )	<b>Dimensions</b>	2.9"H x 5.25"W x 2.9"D (7.4 x 13.3 x 7.4 cm)
<b>Low Voltage Reset</b>	93% of setpoint ( $\pm 1\%$ )	<b>Mounting</b>	Foot
<b>Reset Delay Time after Fault</b>	Manual or 2-300 seconds	<b>Weight</b>	1.0 lb (0.45 Kg)
<b>Reset Delay Time after Power Loss</b>	Manual or 2-300 seconds	<b>Approvals</b>	UL File #E68520
<b>Trip Delay Time High Voltage</b>	2-30 seconds, adjustable	<b>Warranty</b>	5 years

\* 50 Hz will increase all delay times by 20%.

### ORDERING INFORMATION

MODEL	DESCRIPTION
355-200	Three-phase voltage monitor, 190-240 VAC
355-400	Three-phase voltage monitor, 380-480 VAC
355-600	Three-phase voltage monitor, 575-600 VAC