

# POWER MONITORING & PROTECTION

## MOTRSAVER™ THREE-PHASE VOLTAGE MONITOR 201A

### DESCRIPTION

The **MotorSaver™ 201A** three-phase voltage monitor is an autoranging plug-in voltage monitor designed to protect three-phase motors regardless of size. It is used on 190-480 VAC 50/60 Hz motors to prevent damage caused by single phasing, low voltage, phase reversal, or voltage unbalance. To detect harmful power line conditions, the unique microprocessor-based voltage and phase sensing circuit constantly monitors the three-phase voltages. When a harmful condition is detected, the **Model 201A** MotorSaver's output relay is deactivated after a fixed trip-delay time period. The output relay reactivates after power line conditions return to an acceptable level for a fixed restart delay time. The trip delay prevents nuisance tripping due to rapidly fluctuating power line conditions.

### FEATURES

- **Protection of three-phase motors against single phasing, low voltage, phase reversal, and voltage unbalance**
- **DIN rail- or surface-mounted socket**
- **UL and ULC listed, CE certified**
- **Bicolor LED indication of normal and fault conditions**
- **Single-phase condition detection regardless of regenerated voltages**

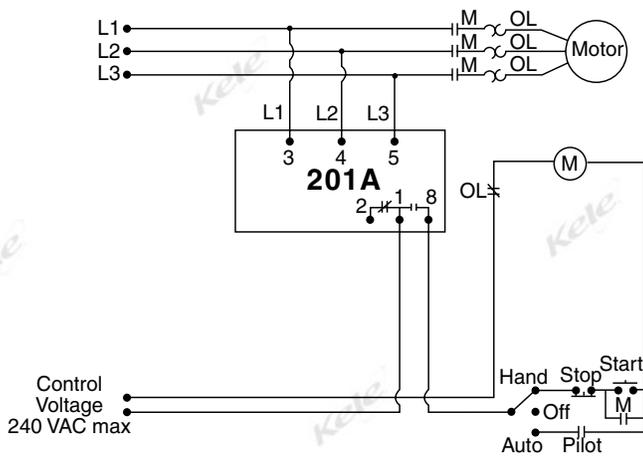


201A



OT08PC

### WIRING



Shown de-energized  
Model 201A

### SPECIFICATIONS

Supply Voltage	190-480 VAC
Supply Watts	5W
Frequency	50* or 60 Hz
Transient Protection	2500V for 10 ms
Low Voltage Trip	90% of setpoint
Low Voltage Reset	93% of setpoint
Reset Delay Time after Fault	2 seconds
Reset Delay Time after Power Loss	2 seconds
Trip Delay Time Low Voltage	4 seconds
Trip Delay Time Phase Fault	2 seconds
Trip Delay Time Unbalance	2 seconds
Voltage Unbalance Reset	4.5%
Voltage Unbalance Trip	6%
Dimensions	2.4"W x 1.8"D x 4.1"H (6.0 x 4.4 x 10.4 cm)
Mounting	OT08PC base
Weight	0.56 lb (0.25 Kg)
Approvals	UL File #E68520, CE
Warranty	5 years

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

### ORDERING INFORMATION

MODEL	DESCRIPTION
201A	MotorSaver three-phase voltage monitor
OT08PC	Socket, 600 VAC, DIN rail or surface mount