



APPLICATIONS:

APPLIANCE | ELECTRICAL | HVAC/R | MARINE | POOL & SPA | RV

OVERVIEW

The 3VMS combines the benefits of the ICM450A PLUS+ programmable 3-phase line voltage monitor and a ICM531 type 1 and type 2 three-phase Surge Protective Device (SPD) into one easy-to-install solution.

The 3VMS will monitor the incoming line voltage for variations including phase loss, phase reversal, phase unbalance and over/under voltage conditions while providing surge protection to residential and commercial three-phase 480VAC HVAC/R equipment.

*All individual components are replaceable

FEATURES & BENEFITS

- ✓ All Components pre-wired for 480VAC
- ✓ Modular design with field replaceable components
- ✓ Field programmable voltage monitor with backlit LCD display and large fault history
- ✓ Protects against over and under voltage, phase loss, phase reversal, phase unbalance and rapid short cycling
- ✓ Real time clock for date and time stamp of fault events
- ✓ Separate 3-pole, 60amp contactor, fully disconnects from the service
- ✓ Superior TFMOV technology provides safe and reliable surge protection, up to 150kA max surge event
- ✓ Built to withstand the high impact of a major surge event
- ✓ NEMA 4X Rating
- ✓ Limited lifetime product warranty up to a 3-year \$10,000 connected equipment warranty.



SPECIFICATIONS

Inputs:

- Nominal Voltage: 480VAC
- Operating Voltage: 400 - 525VAC
- Frequency: 50/60 Hz
- SCCR: 5kA

Outputs:

- Contactor: 60A FLA, 480VAC

Surge Protection Device:

- Maximum surge current: 150,000 amps
- Diagnostic green LED light indicates surge protection present
- Protection modes: L-L, L-N

Line Voltage Monitor (3VMS Default Settings):

- Voltage set point: 480VAC
- Phase Unbalance: 7%
- Over/Under Voltage: 5%
- Delay on Break (ASC) : 15 seconds
- Delay on Fault: 3 seconds
- Reset Mode: o (auto)
- Control Mode: OFF
- Date and Time: ON
- Language: English

Dimensions:

- 15.7" L x 11.7" W x 6.3" D

Content and specifications on sell sheets subject to change without notice.