

ICM462 3-PHASE MONITOR



The ICM462 is a low cost 3-phase line monitor, with a 20 amp output that protects against phase loss, phase reversal, and phase unbalance. Ideally suited to protect scroll & screw compressors from reverse rotation.

Features

- Low cost, single side 3-phase protection
- 20 amp output
- Bright LED indicators for fault and load energized
- Easy to install DIN rail mount, no adjustments
- Wide operating range: 190-600 VAC
- Less than 1-second phase loss response
- Automatic reset from a fault condition
- Compact packaging: fits almost anywhere
- Works great with the ICM450 for load side monitoring of part winding start motors and multiple compressor systems



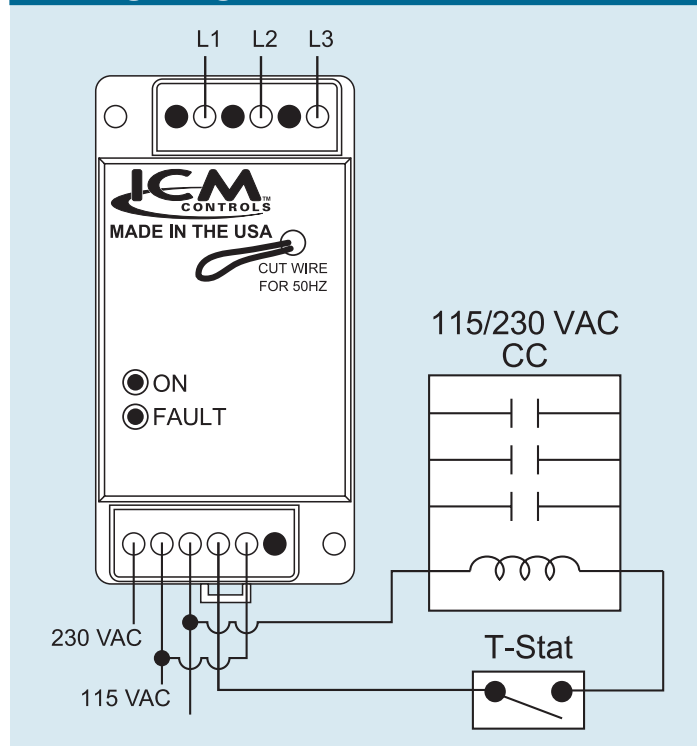
Mode of Operation

If all three phases are relatively equal and in proper sequence, the normally open contacts will close when 115/230 volts is applied between C and 115/230 VAC terminals. If the phases are out of sequence, or if one is missing, the contacts will never close.

If a phase is lost while the ICM462 is energized, the contacts will open immediately and will remain open until the error is corrected.

An illuminated green LED indicates the output is energized, and an illuminated red LED indicates there is a fault and the output is de-energized.

Wiring Diagram



Specifications

Input

- **Line Voltage:** 190-600 VAC
- **Frequency:** 50/60 Hz
- **Control Voltage:**
 - ICM462: 115-230 VAC
 - ICM461: 18-30 VAC

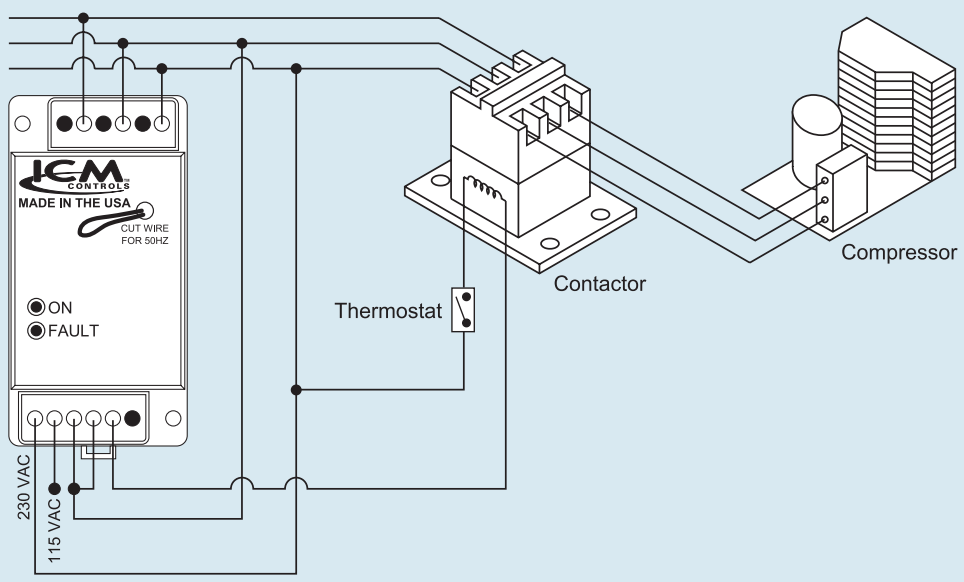
Output

- **Relay:** SPST
 - ICM462: N.O. 20 amps
 - ICM461: N.O. 10 amps

Mechanical

- **Dimensions:** 3.2" x 3.5" x 1.8"

ICM462 Typical Wiring Diagram



Typical Part Winding Start Wiring Diagram with an ICM450 and ICM462

