

INSTALLATION

1. Disconnect or turn off power.
2. Tap off the main 3-phase line voltage and run field-installed wires to the ICM409 control.
3. The field-installed wires should have 1 amp fuses (rated for the voltage being used) installed in series with the ICM409.
4. Connect the field-installed wires to the L1, L2, and L3 screw-down connections.
5. Set the DOM time delay to a minimum for testing purposes.
6. Break one line of the control circuit and connect to the COM and N.O. screw-down connections on the ICM409.
7. The N.C. connection can be used as an alarm output.
8. Reapply or reconnect power.
9. After DOM time delay, the unit should energize and the Green (load) LED should light.
10. If the Red (status) LED is on solid, reverse any 2 line voltage wires **at the ICM409**.
DO NOT CHANGE THE WIRING SEQUENCE TO THE CONTACTOR OR MOTOR/COMPRESSOR.
11. If the Red (status) LED is flashing, make sure the voltage and unbalance levels are set correctly.
12. Set all parameters according to manufacturer's specifications.

MODE OF OPERATION

Designed in a small, easy-to-mount, DIN Rail style case, the ICM409 continuously monitors the incoming line voltage for errors. When the line voltage is appropriate, the ICM409 closes a set of N.O. contacts and lights a green LED. When the incoming voltage is outside of the user-set parameters, the N.O. contacts open up and the red LED will flash a code for the particular fault present. The control will also interrogate the line voltage during the fault condition to avoid short cycling and nuisance trips due to noise.

STATUS LED INDICATORS

- **GREEN LED** = Load ON
- **RED LED:**
 - Solid = Phase reversal
 - 1 flash = DOM time
 - 2 flashes = Low voltage
 - 3 flashes = High voltage
 - 4 flashes = Unbalance voltage