

- *The ICM221 is a low cost compressor protection module that monitors safety switch inputs & provides anti-short cycle protection.*

MODE OF OPERATION

Upon a Y call from the thermostat, the compressor contactor is energized (T) after the selected delay on make time, given all safety switches are closed and the unit is not in the anti-short cycle period.

If a safety switch opens for longer than the 1-second interrogation, the compressor contactor is de-energized and the selected anti-short cycle time begins.

If three consecutive safety faults occur in a 90-minute period, the control will lock the compressor out and energize the alarm terminal (X). A lockout condition can only be reset by a loss of the Y signal from the thermostat.

Custom controls are available. Consult factory for low pressure switch bypass, status LED and other custom options.

SPECIFICATIONS

Input

- **Voltage:** 18-30 VAC
- **Frequency:** 50-60 Hz

Output (T, X)

- Solid state (triac)
- 1 amp @ 30 VAC

Time Delays

- **Delay on make time:**
3- or 6- seconds (selectable)
- **Anti-short cycle time:**
10-seconds or 5-minutes (selectable)

Mechanical

- **Dimensions:** 3.25"L x 3"W x 1"H
- **Mounting:** Surface mount, using (4) #6 or #8 screws

WIRING DIAGRAM

