

COPPERWATCHER

MODEL CW-3 (208-480 VOLTS)

Installation

Follow all current electrical codes.

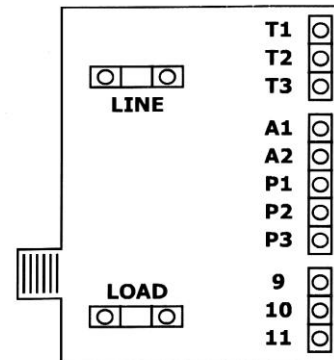
A/C CONTRACTOR INSTALLATION

- 1) **NOTE:** LOCK OUT/TAG OUT all power, install approved size and type of wire. Use approved connectors.
- 2) Install the CopperWatcher in the vertical position.
- 3) Remove **BOTTOM** ½" knock out, install bushing (do not remove top knock out)
- 4) CopperWatcher is designed to be installed on copper wire leads only. If installed on aluminum leads follow electrical codes that apply.
- 5) Install the CopperWatcher to the existing A/C disconnect, make or use an existing available ¾" knock out.
- 6) Remove one of the line side wires; install pig tail to disconnect and to the removed wire. Install the other wire to the line side of the CopperWatcher. Supplied pig tails rated for 40 amps or less. Repeat step #6 with the other line side wire.
- 7) Remove one of the load side wires; install pig tail to disconnect and to the removed wire. Install the other wire to the load side of the CopperWatcher. Supplied pig tails rated for 40 amps or less. Repeat step #7 with the other load side wire.
- 8) Install "T" fitting and pressure sensor on the high pressure service port at condenser, use back up wrench and seal-loc sealer.
- 9) Check for refrigerant leaks.
- 10) Run the wire from the pressure sensor through the installed bushing.
- 11) Connect the RED wire from the pressure sensor to the P1 Terminal.
- 12) Connect the WHITE wire from the pressure sensor to the P2 Terminal.
- 13) Connect the BLACK wire from the pressure sensor to the P3 Terminal.
- 14) Secure all exposed wire.

ALARM CONTRACTOR INSTALLATION

- 1) Pull two pair of alarm wires to the CopperWatcher location, Connect 1st pair to the A1 and A2 terminals in the CopperWatcher control center.
- 2) Connect 2nd pair to T1, T2 or T3 terminals. Will provide a trouble signal if power fails to the CopperWatcher.
- 3) CopperWatcher has a 1K EOL resistor installed in the pressure sensor.
- 4) THE COPPERWATCHER PROVIDED A CLOSED LOOP CIRCUIT THAT OPENS WHEN A THEFT ATTEMPT IS DETECTED. ALARM MUST BE PROGRAMED TO SOUND UPON ACTIVATION WITH NO DELAY.
- 5) **NOTE:** A siren and strobe must be provided by the existing alarm company and installed at the CopperWatcher location.

COPPERWATCHER™



T1 - TROUBLE LOSS OF LINE VOLTAGE "C"
T2 - TROUBLE LOSS OF LINE VOLTAGE N/O
T3 - TROUBLE LOSS OF LINE VOLTAGE N/C
A1 - ALARM INPUT
A2 - ALARM INPUT
P1 - PRESSURE SENSOR RED
P2 - PRESSURE SENSOR WHITE
P3 - PRESSURE SENSOR BLACK
9 - AUX CONTACT LOAD VOLTAGE "C"
10 - AUX CONTACT LOAD VOLTAGE N/O
11 - AUX CONTACT LOAD VOLTAGE N/C

WARRANTY

One year from date of purchase
Extended warranty options are available.
Visit us at www.copperwatcher.com

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