WW-H HARDWIRED WARNING WATCHDOG™

WIRING DIAGRAM USING WW-R-240 VOLTAGE MONITORING RELAY AND WW-PC PRESSURE CONTROL

**CAUTION!**

DISCONNECT POWER TO CONDENSING UNIT BEFORE BEGINNING INSTALLATION

- **Wire Power Supply** in parallel with 470Ω Factory installed resistor do not remove!
- **Wire with white stripes** is power supply plus (+)
- **WW-PS Plug-In Power Supply**
  - 12 Volts DC
  - 1250 mA
  - With 6 leads

**Electrical Disconnect**

**Outdoor Condensing Unit**

**Compressor Contactor**

**Compressor**

**WW-PC Pressure Control**

**Mount on Liquid Line Schrader Valve Service Port**

**Relay Contacts**

**Open if Loss of Pressure Occurs**

**Wire to Phone Dialer or Other Security Device**

**Wire in series with up to 3 additional monitoring relays and tamper switches**

**WW-R 240 Volt Voltage Monitoring Relay**

- Use N.O. contacts (for 3 phase, connect to any two phases)

**It is very important that the control wiring from the voltage monitoring relay and pressure control be secured to the line set on a split system using several tie straps. The control wiring can be secured in the same manner to a short section of copper line inside a packaged rooftop unit.**

**WW-S Siren**

- 12 Volts DC
- 700 mA
- High Output
- 118 dB
- Weather Resistant

**Mount Siren on outside wall as high as possible in a location where wires can be pulled through the wall directly behind siren**

**All wiring is standard 18 gauge thermostat wire**

**Relay Contacts**

**Open if Disconnect is Pulled**

**If wires are cut, alarm will sound**

**System Armed**

**System Ready**

**System Silence/System Off**

**Security Key Access**

**“AUX” is a set of N.O. 5 Amp rated contacts**

**Patent Pending**

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WW-H HARDWIRED WARNING WATCHDOG™
INSTALLATION INSTRUCTIONS

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OVERVIEW:

The WW-H hardwired Warning Watchdog™ is an alarm system designed to provide enhanced security against outdoor condensing unit theft and vandalism. The hardwired system consists of an indoor logic panel with 12 volt DC power supply, outdoor siren, condensing unit power monitoring relay and a pressure control switch. Wiring of all components is done with standard 18-2 gauge thermostat wire.

WW-LP LOGIC PANEL:

Mount the WW-LP Logic Panel in a secure but accessible indoor area within 4’ of a 120 volt outlet. The WW-LP comes with a WW-PS 12 volt DC power supply with 6’ leads. Connect the power supply to the logic panel making sure positive (+) and negative (-) are wired to the proper 12 VDC+ and 12VDC- terminals. Do not apply power to logic panel until all wiring is completed.

WW-S SIREN:

Mount the WW-S siren on an outside wall as high as possible in a location where wires can be pulled through the wall directly behind the siren and to the logic module. Use 18-2 thermostat wire to connect the siren to the logic panel making sure that the siren positive RED (+) and negative BLACK (-) are wired to the Siren + and Siren - terminals. Do not exceed 300 feet in wire length.

WW-R 240 VOLTAGE MONITORING RELAY AND WW-PC PRESSURE CONTROL:

Make sure that the disconnect is pulled and that no voltage is present at the condensing unit.

Pull 18-2 thermostat wire from the logic panel to the outside of the building in a manner that minimizes the amount of exposed wire run to the condensing unit.

Mount the WW-R-240 monitoring relay in the service compartment of the condensing unit. Connect the relay coil terminals (1) and (3) to the line side of the compressor contactor.

Mount the WW-PC pressure control on the liquid Schrader valve service port and wire in series with the voltage monitoring relay. Connect the other lead to LOOP terminals at the logic panel. Use several tie straps to secure the wire to the a section of copper line. (See wiring diagram on other side)

TEST, CHECK AND ARMING THE SYSTEM

After all wiring is completed, apply voltage to the condensing unit and 12 volt power to the logic panel. The system switch located on the logic panel control board is factory set to ALARM SILENCE / SYSTEM OFF. Check to see that the green SYSTEM READY LED is ON. This confirms that all monitoring controls in the LOOP circuit are closed. If the green LED remains OFF, check to see that all monitoring controls in the LOOP circuit are closed and that the power supply polarity is correct. Place the system switch in the SYSTEM ARMED position. The red SYSTEM ARMED LED will come ON. To test the alarm, wait 10 seconds after arming the system and remove one of the wires from the LOOP terminal at the logic panel. The alarm siren should sound in 2 seconds and will sound for a duration of 5 minutes. If the alarm siren does not sound, check the siren wire polarity. Place the system switch in the ALARM SILENCE / SYSTEM OFF position and reattach the LOOP wire confirming that the green SYSTEM READY LED is ON. Rearm the system by placing the system switch in the SYSTEM ARMED position and confirm that the red SYSTEM ARMED LED is ON. Close and lock the logic panel. In the event of a power failure, the system will automatically rearm when power is restored.

In the unlikely event of condensing unit theft, Jackson Systems shall not be held liable.

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