

PARTS MANAGER BULLETIN

PMB #: 20-112

DATE: 10/29/2020

Author: RC Engineering

SUBJECT: Comfort Alert Removal Single Phase, 2 wire and 3 wire

Models Affected:

C2A	H2A	T2A
C4A	H4A	T4A
CXA	HXA	TXA

Part Number Affected:

1177402

Scope:

The Comfort Alert Modules are passive devices and are only able to monitor a compressor and provide some diagnostic features. They are no longer available and bypass instructions are described below.

Removal of Compressor Wiring Through Module

1. Make sure all power for equipment, outdoor unit and indoor air handler or furnace is turned off.
2. The scroll compressor's run (R), common (C) and start (S) wires are routed through the holes in Comfort Alert marked "R," "C" and "S."
3. Disconnect these 3 wires from the contactor and compressor run capacitor and pull them out through the Comfort Alert Module and reconnect to contactor and run capacitor.

24VAC Power Wiring

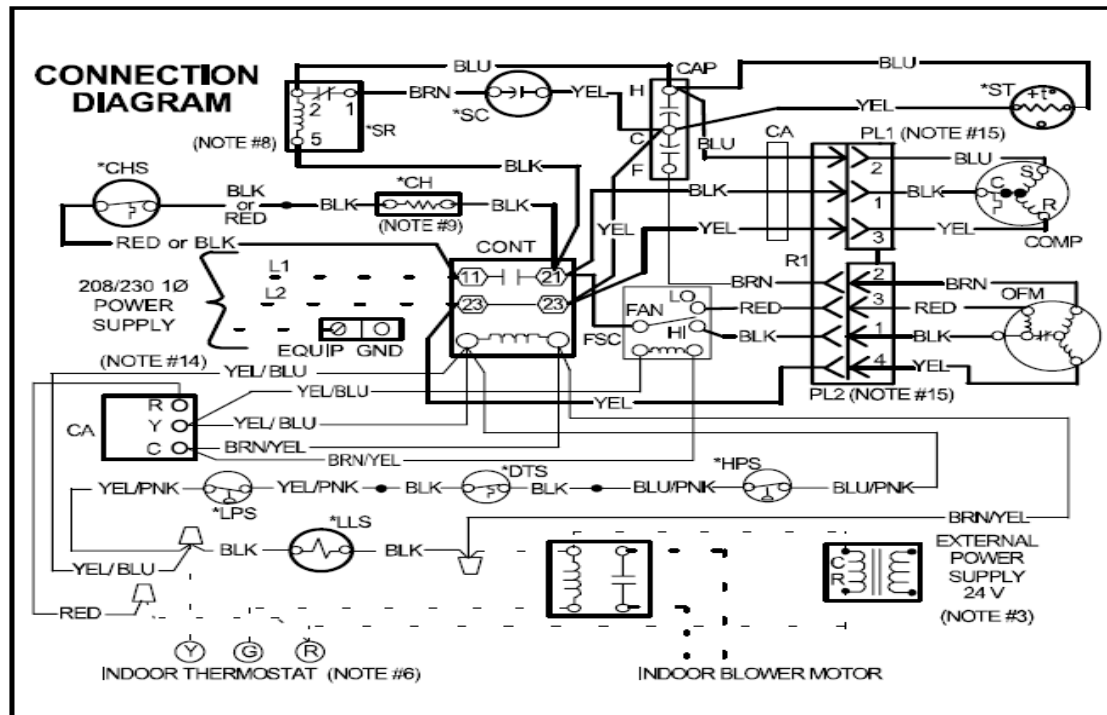
4. The 3 wire Comfort Alert required a constant nominal 24VAC power supply. The wiring to the module's Y and C terminals are wired across the contactor coil and the R wire is wired to R from the indoor unit. Disconnect these 3 low voltage wires and remove. Refer to unit wiring diagram.
5. The 2 wire Comfort Alert Module has Y and C terminals that are wired across the contactor coil. Disconnect these 2 wires and remove from unit.
Refer to unit wiring diagram.

If unit has an FSC fan speed control board, these low voltage wires need to be wired across the contactor coil.

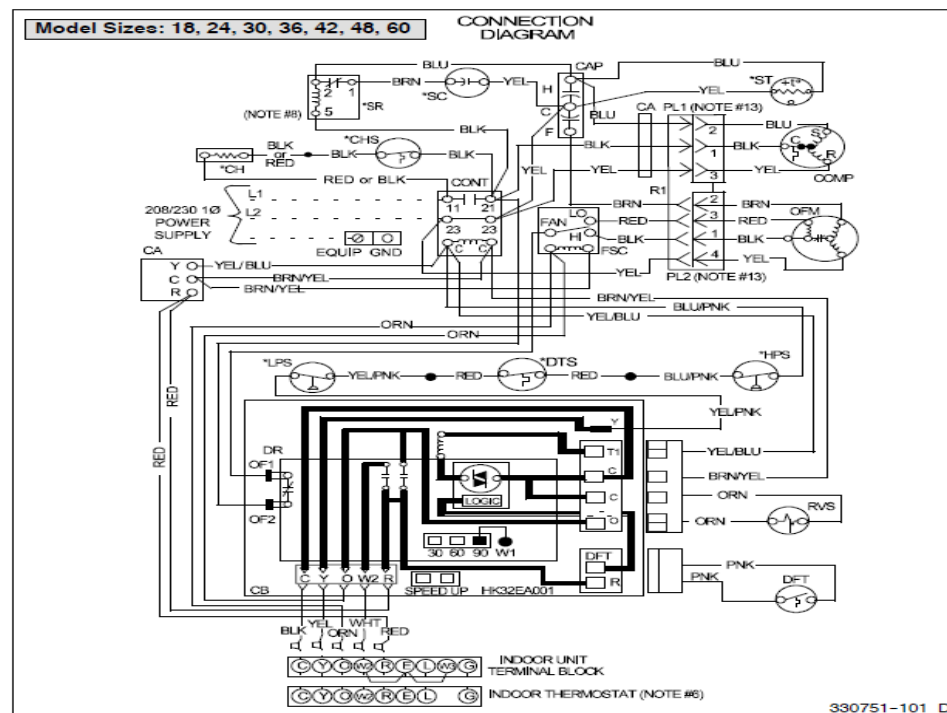


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AC Comfort Alert 3 wire Module Wiring



HP Comfort Alert 3 wire Module Wiring

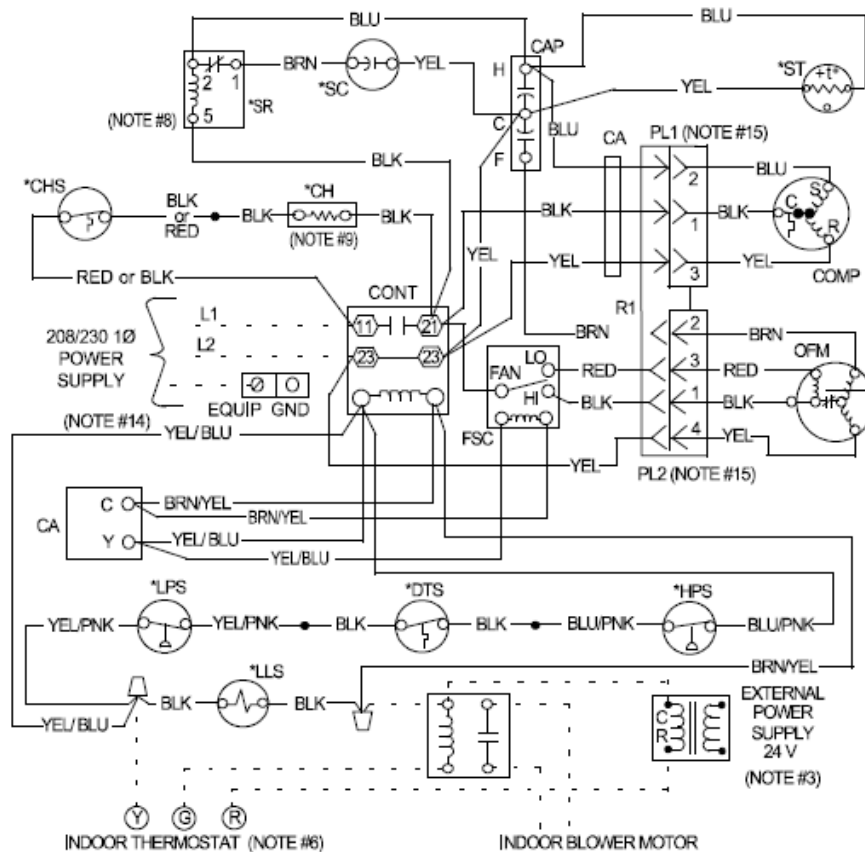


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Model Sizes: 18, 24, 30, 36, 42, 48

CONNECTION DIAGRAM



AC Comfort Alert 2 wire Module Wiring

Note: The information on critical recommended parts is as of the time of publication. Due to manufacturing and design updates, part numbers could change over time. To obtain the most up-to-date information, consult Electronic Parts Catalog.



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