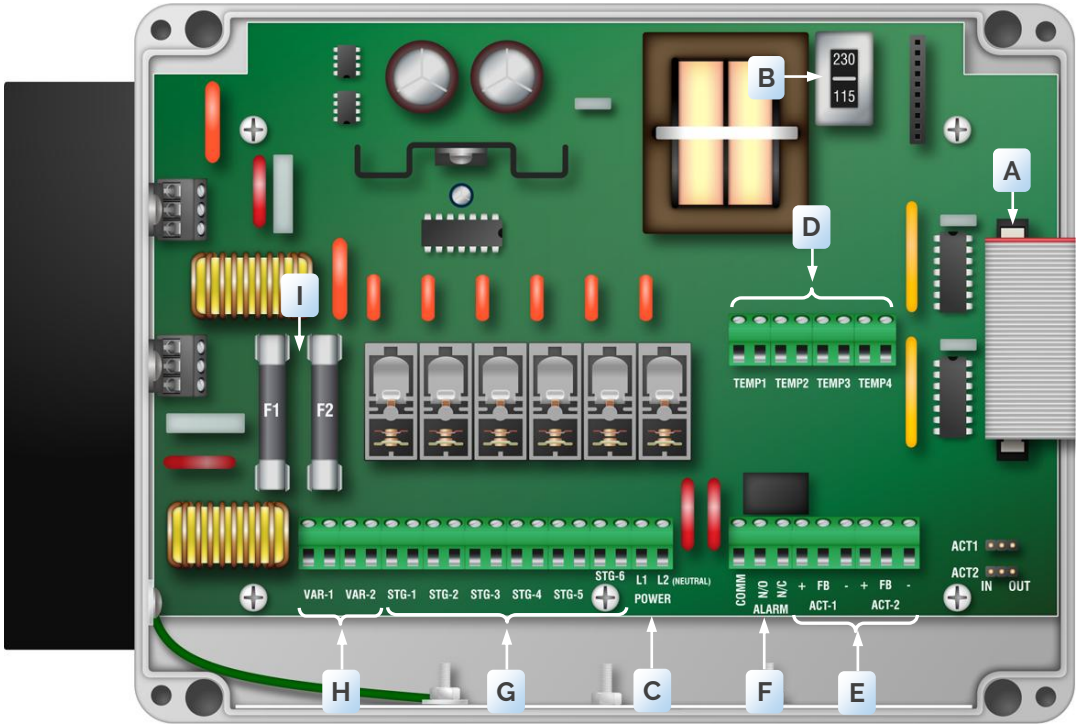
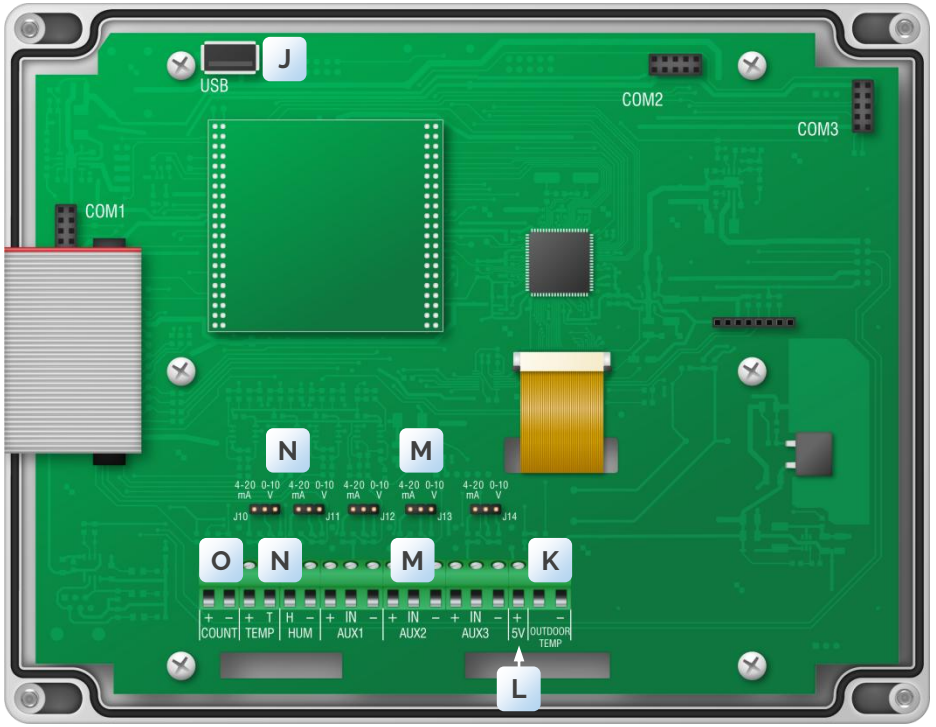
# PLUS TOUCH SERIES Quickstart guide




## Make sure to set the frequency to match your power system (50 or 60 Hz).

**(A) Display cable**
Disconnect the cable during installation. Reconnect it when done.

**(B) Voltage switch** ⚠
Set the switch to the correct line voltage.

**(C) Incoming power**
Connect the incoming power from the panel.

**(D) Temperature sensor (TEMP1 to TEMP4)**
Connect the primary temperature sensor to TEMP1. Connect any additional sensors to the other terminals.

**(E) Actuator feedback (ACT-1 and ACT-2)**
Connect the feedback potentiometer from the actuator.

**(F) Alarm relay**
Connect an external alarm system or siren.

**(G) General-purpose relays (STG-1 to STG-6)**
Connect single-speed/stage heating/cooling equipment.

**(H) Variable stages (VAR-1 and VAR-2)**
Connect variable speed fans. **(I)Fuses (F1 and F2)**
The fuses are for the variable stages. F1 is for VAR-1 F2 is for VAR-2.

**(J) USB**
Connect a USB drive when saving or loading settings, or updating firmware.

**(K) OUTDOOR**
Connect a Phason 3K Temperature Sensor for measuring outdoor temperature.

**(L) +5V**
Can provide +5 VDC

**(M) DOL (M: AUX1 to AUX3)**
Connect DOL119 Carbon Dioxide or DOL 53 Ammonia Sensors. Place the jumpers on the correct pins.

**(N) DOL 114 (TEMP / HUM)**
Connect a DOL 114 Temperature and Humidity Sensor. Place the jumpers on the correct pins.

**(O) Pulse counter (COUNT)**
Not available, used for future development.

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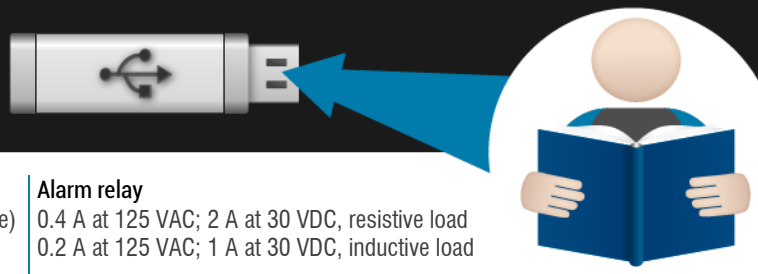


**Input power**
120/230 VAC, 50/60 Hz

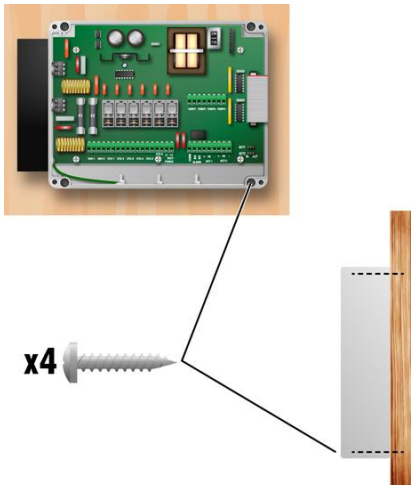
**Fuses (2: F1and F2)**
15 A, 250 VAC ABC-type ceramic

**Variable stages (2: VARI-1, VARI-2)**
10 A at 120/230 VAC, general-purpose (resistive)
7 FLA at 120/230 VAC, PSC motor
1/2 HP at 120 VAC, 1 HP at 230 VAC, PSC motor

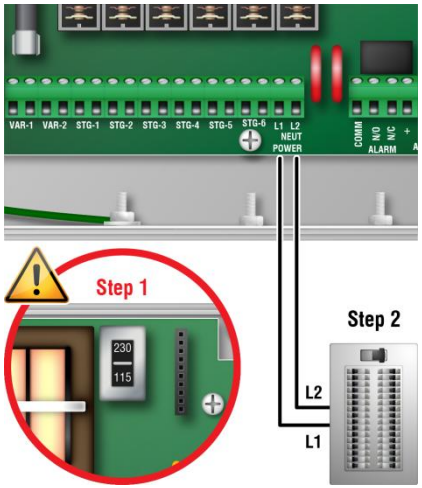
**Relay stages (6: STG-1 to STG-6)**
10 A at 120/230 VAC, general-purpose (resistive)
1/3 HP at 120 VAC, 1/2 HP at 230 VAC
360 W tungsten at 120 VAC

**Alarm relay**
0.4 A at 125 VAC; 2 A at 30 VDC, resistive load
0.2 A at 125 VAC; 1 A at 30 VDC, inductive load

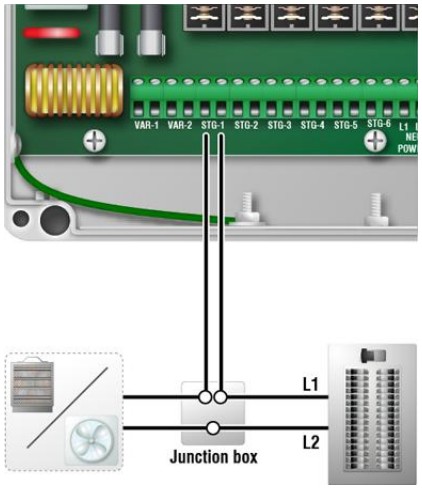
## Mounting holes and orientation



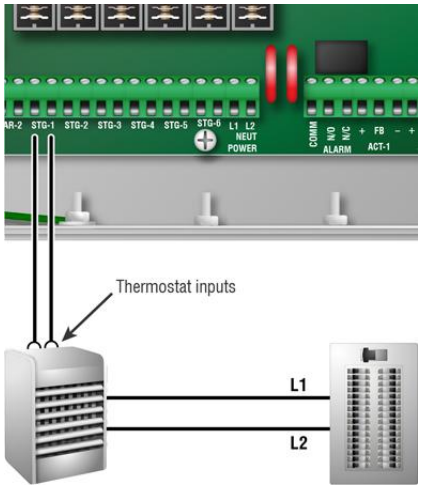

## Incoming power



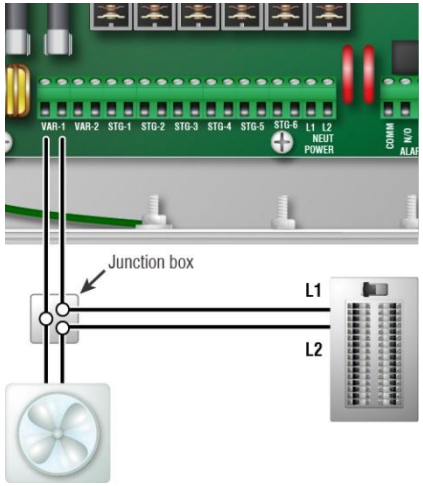

## Single-speed fan or electric heater



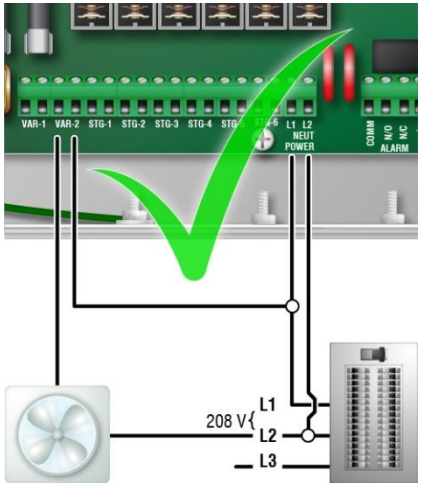

## Gas-fired furnace



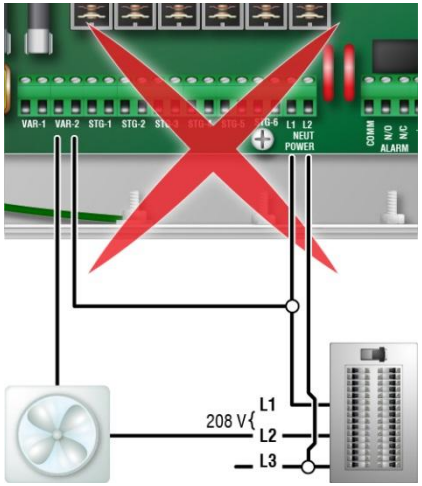

## Variable speed fan



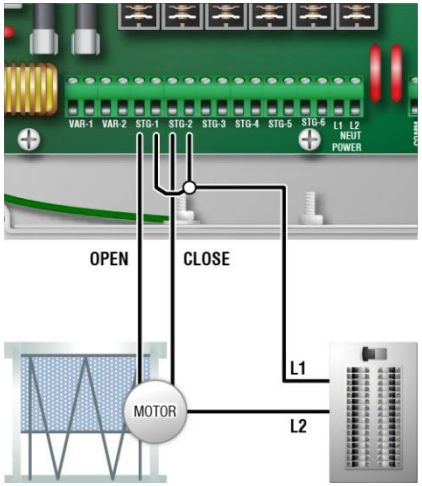

## Correct three-phase wiring




## Incorrect three-phase wiring




## Curtain machine



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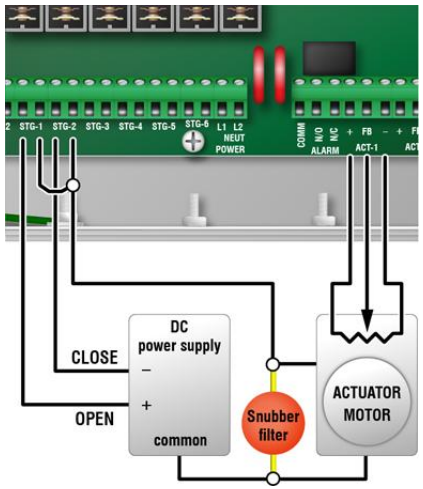
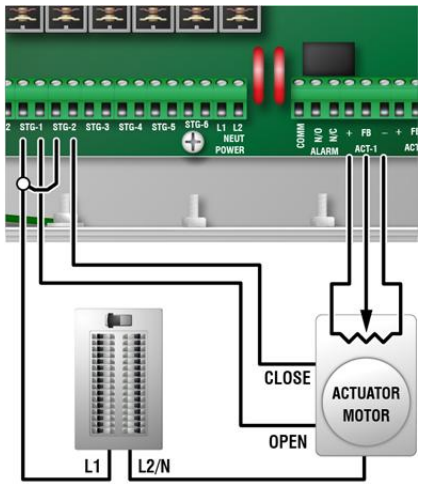
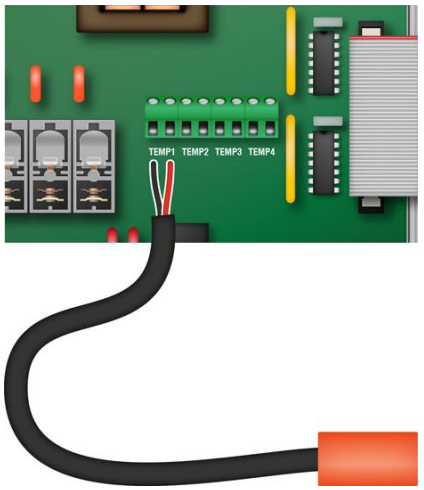
## DC-powered actuator



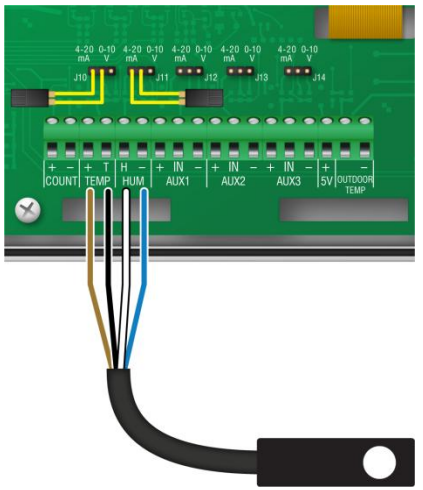

## AC-powered actuator



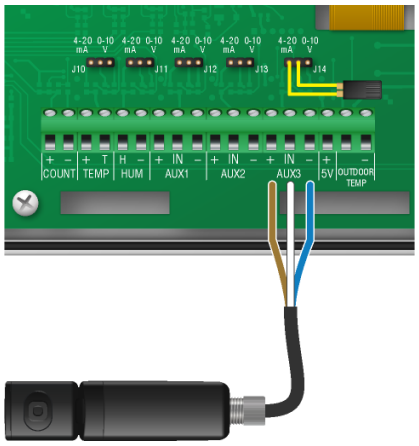

## Temperature sensor



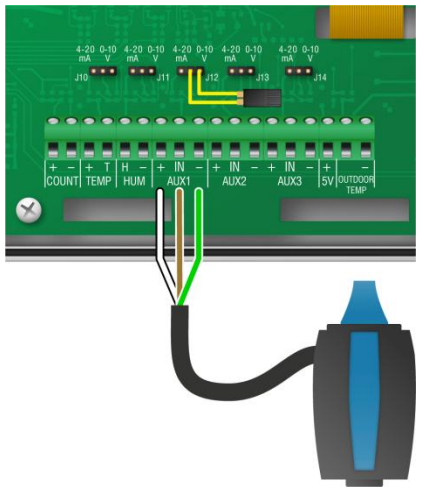

## DOL 114 temperature and humidity



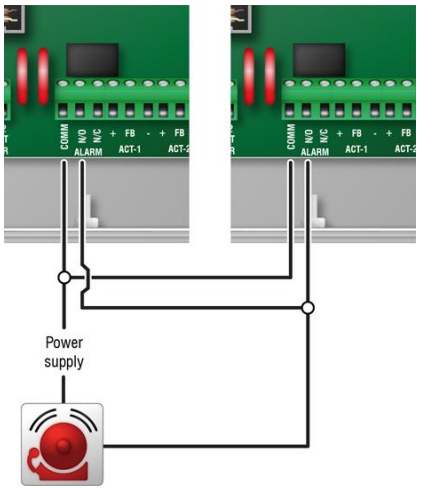

## DOL 119 carbon dioxide



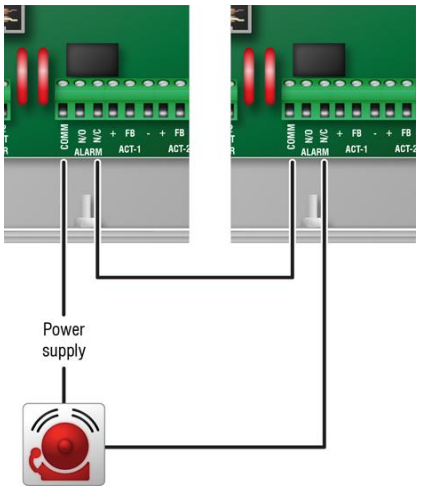

## DOL 53 ammonia




## Normally open alarm system




## Normally closed alarm system

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