PEC+
Proportional Environment Control PLUS

USER MANUAL — Phason electronic control systems — www.phason.ca

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

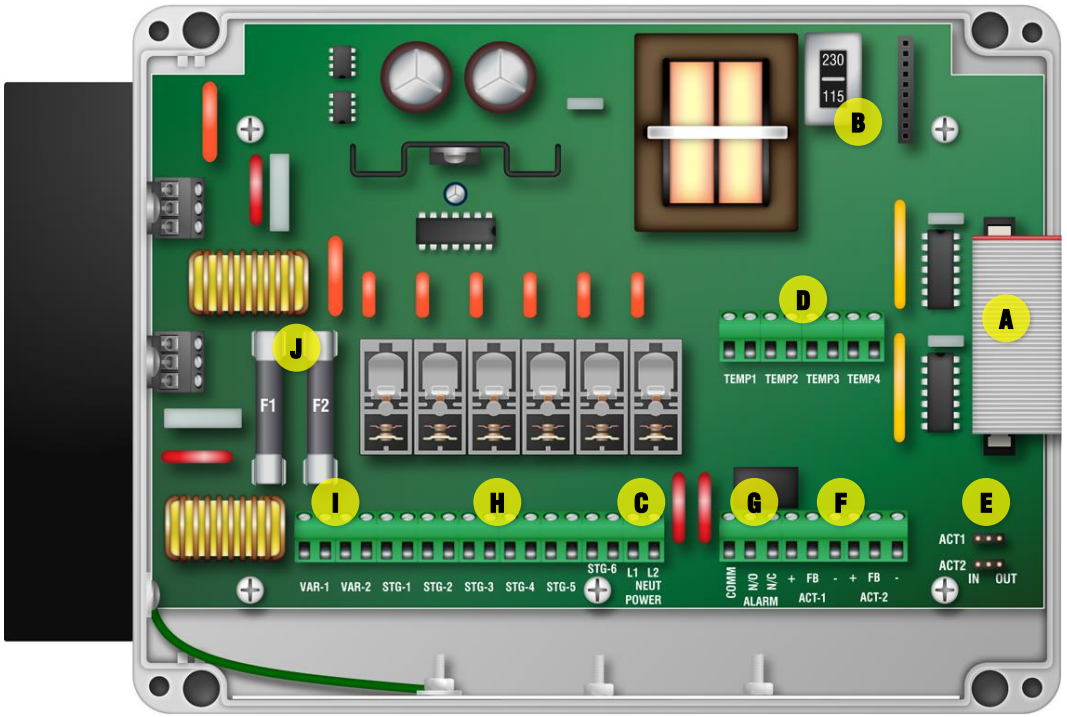
Voltage switch (B) ⚠
Set the switch to the correct line voltage.

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

Temperature probe (D: TEMP1 to TEMP4)
Connect the primary temperature probe to TEMP1. Connect any additional probes to the other terminals.

Actuator enable pins (E: ACT1 and ACT2)
Place the shunts on the IN pins to enable control. ACT1 is for relays 1 and 2. ACT2 is for relays 3 and 4.

Actuator feedback (F: ACT-1 and ACT-2)
Connect the feedback potentiometer from the actuator.



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

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

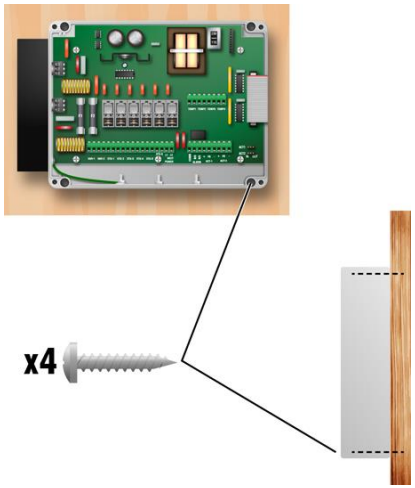
Variable stages (I: VAR-1 and VAR-2)
Connect variable speed fans.

Fuses (J: F1 and F2)
The fuses are for the variable stages. F1 is for VAR-1 F2 is for VAR-2.

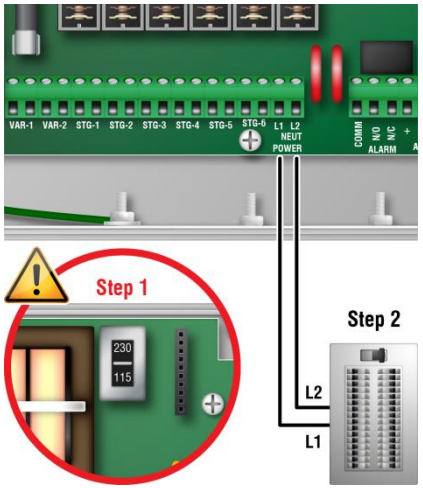
TIP

You can connect more than one piece of equipment to a variable stage or relay as long as the equipment is the same type (for example, two fans) and the total current draw and horsepower does not exceed the ratings.

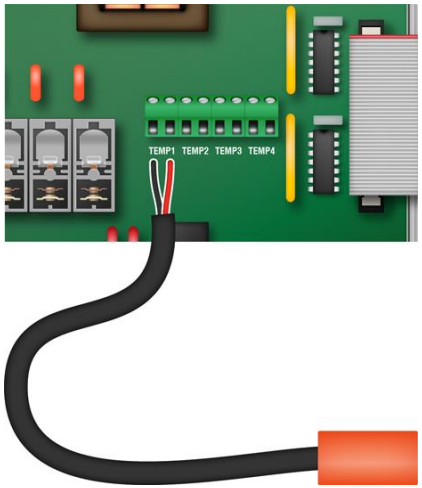
Mounting holes and orientation



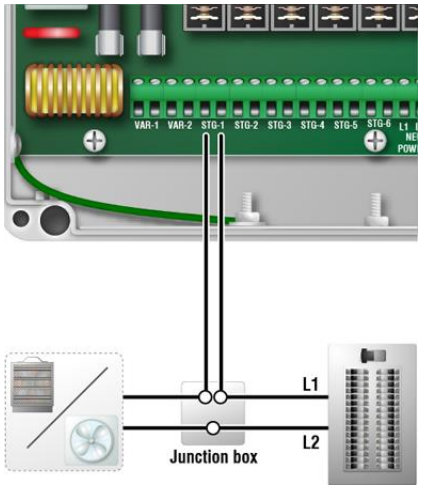
Incoming power



Temperature probe



Single-speed fan or electric heater



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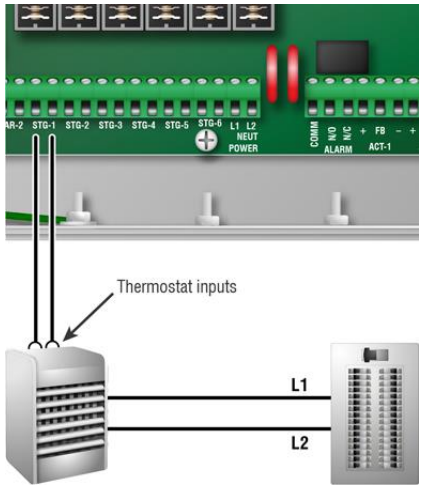
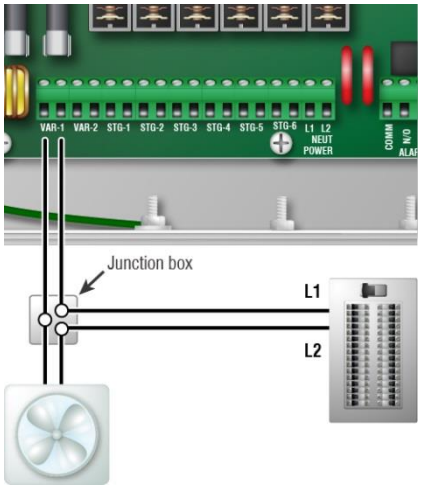
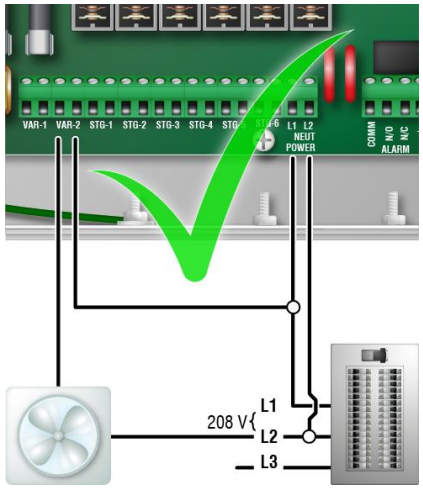
Gas-fired furnace



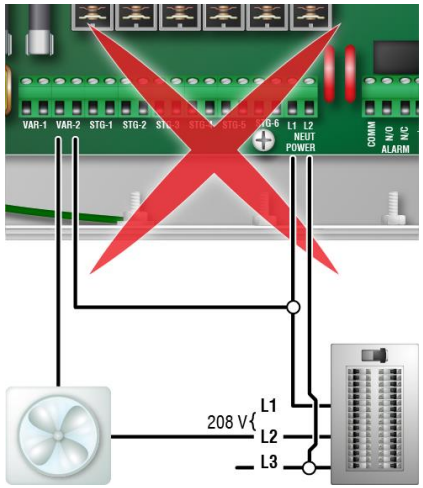
Variable speed fan



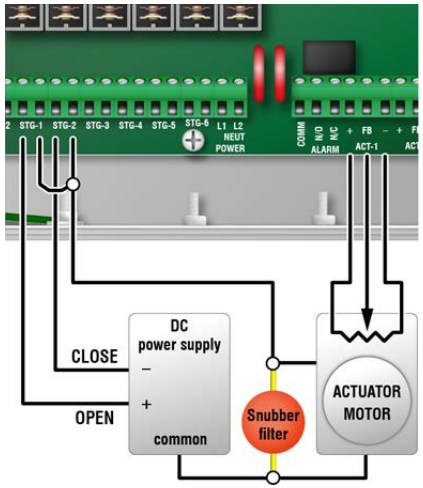
Correct three-phase wiring



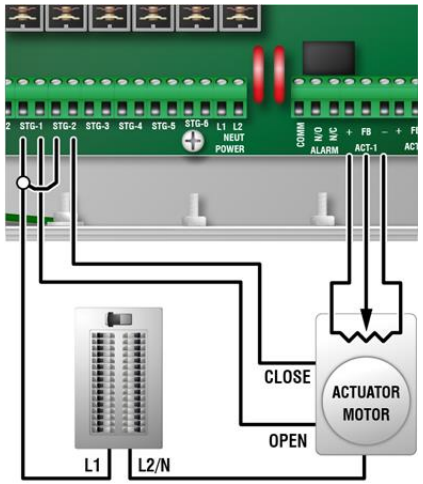
Incorrect three-phase wiring



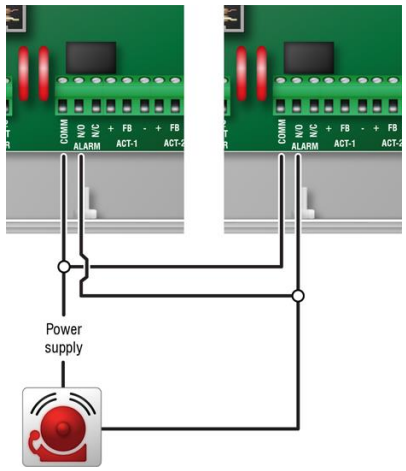
DC-powered actuator



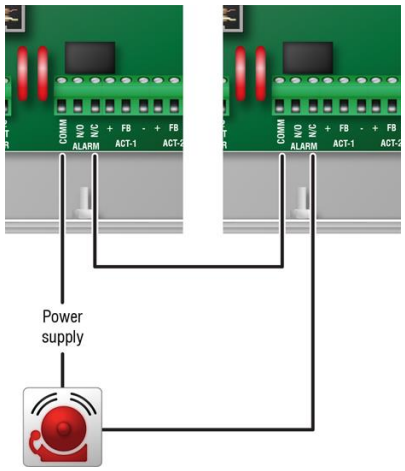
AC-powered actuator



Normally open alarm system



Normally closed alarm system



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