

Mounting the Phase Perfect®

1. Attach the mounting brackets to back of unit with supplied hardware.
2. Mount the unit to a solid, non-flammable surface capable of supporting the weight of the unit, using the mounting brackets provided with the unit.
3. Ensure air intake and exhaust openings are not obstructed. If mounted in a small room or cabinet, ensure temperature will remain below the unit rating.

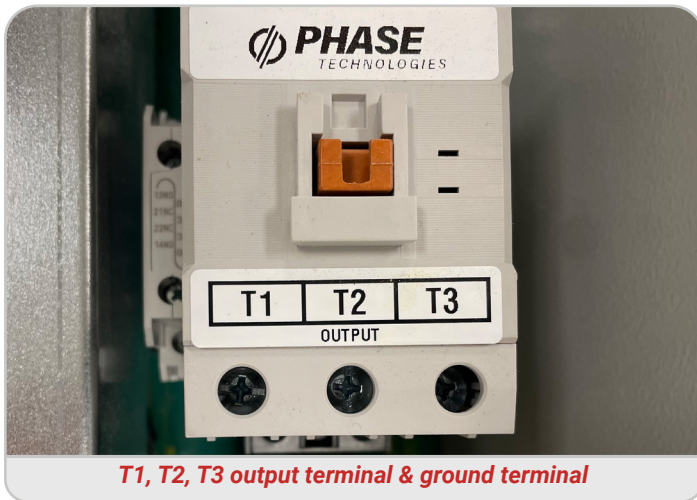
Note: 18" (450mm) clearance below and 6" (150mm) around required for ventilation.

Connect Wiring

1. Remove the cover, or open the door, by gently lifting and pulling forward after removing the screws on each side and front of the unit.
2. Route cables through the supplied openings in the bottom of the enclosure, using appropriate conduit or strain relief devices.

Notes: Continuous metal conduit should be used for all power cables to reduce radiated electromagnetic interference (EMI).

3. Properly ground the phase converter according to local electrical code. Connect the ground lug to the branch circuit or service ground conductor.

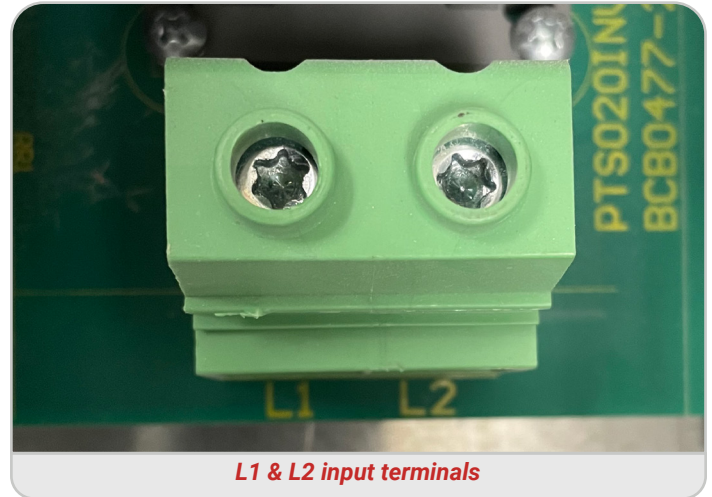


4. Install the 3 load side conductors into the output terminals labeled T1, T2, and T3. Connect the load side ground conductor into the grounding terminal.



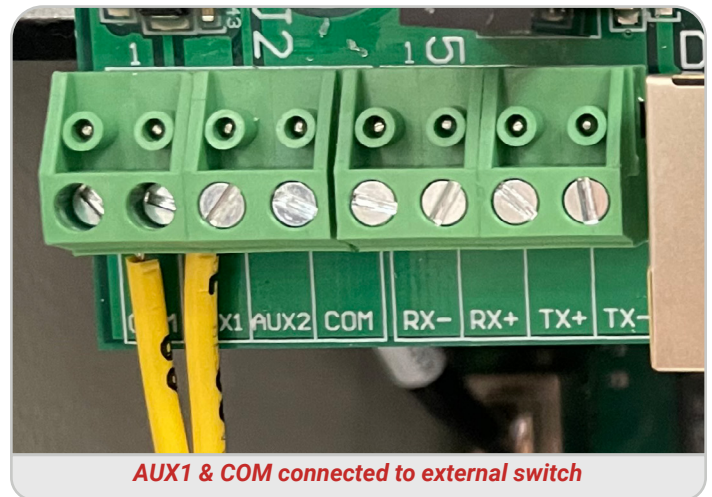
Note: T3 is the manufactured leg.

5. Connect the line side input leads into the terminals labeled L1 and L2.



6. To add an external run/stop switch, remove the orange jumper wire and connect the switch to AUX1 and COM terminals.

Caution: No voltage may be introduced on these terminals. Dry contact only.



Powering up the Phase Perfect®

1. Close the door or replace the cover and reinstall previously removed screws.
2. Turn on the line side breaker and verify screen turns on.

Note: Once the unit is fully energized the internal contactor will pull in. Once this occurs a light high frequency sound of switching electronics noise will be emitted, and is normal.

Note: Output is in high-leg delta configuration. Line to line voltage will match input voltage, line to ground will be higher on T3 than T1/ T2.



Suggested Breaker Sizes

230 V									
Model / Part Number	PTE007/ PT007	PTE010/ PT010	PTE015	PTE020/ PT020	PT030	PT040	PT050	PT060	PT075
Recommended Circuit Breaker	60 A	80 A	125 A	150 A	225 A	300 A	400 A	500 A	600 A

Voltage Doubling				
Model / Part Number	PTE207	PTE210	PTE215	PTE220
Recommended Circuit Breaker	60 A	80 A	125 A	150 A

460 V												
Model / Part Number	PTE407/ PT407	PTE410/ PT410	PTE415/ PT415	PTE420/ PT420	PT430	PT440	PT450	PT460	PT475	PT4100	PT4150	PT4175
Recommended Circuit Breaker	30 A	40 A	60 A	70 A	100 A	150 A	175 A	200 A	250 A	400 A	400 A	500 A