

Phase Perfect - Quick Start Guide

Installation

Standard Chassis Models



Mounting dimensions

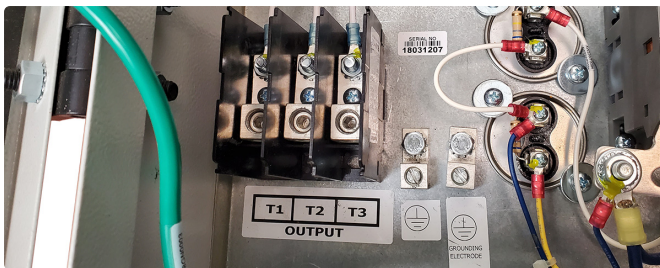
PT007, 010, 020, 430	PT030, 040/440, 050/450, 060/460, 075/475, 4100	PT407, 410, 415, 420

Mounting the Phase Perfect®

1. Attach mounting brackets to back of unit with supplied hardware.
2. Using the mounting brackets, attach the unit to a solid, non-flammable surface.
3. Ensure air intake and exhaust openings are not obstructed. If mounted in a small room or cabinet, ensure temperature will remain below 50C (122F). *Notes: 18" (450mm) clearance below and 6" (150mm) around required for ventilation. NEMA 3R chassis or add-on necessary for exterior or dusty installation.*

Connect Wiring

1. Unlatch and open the door.
2. Route cables through the supplied openings in the bottom of the enclosure, using appropriate conduit or strain relief devices. *Note: Continuous metal conduit should be used for all power cables to reduce radiated electromagnetic interference (EMI).*
3. 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.*



T1, T2, T3 output terminals and ground terminals

Suggested Breaker Sizes

PT407	PT410	PT007, 415	PT420	PT010	PT430	PT020
30A	40A	60A	70A	80A	100A	150A

QUICKSTART PT, Revision 003

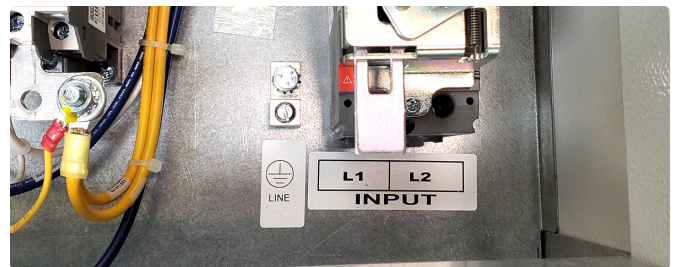
Suggested Breaker Sizes (cont.)

PT450	PT460	PT030	PT475	PT040	PT050, 4100	PT060	PT075
175A	200A	225A	250A	300A	400A	450A	600A

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

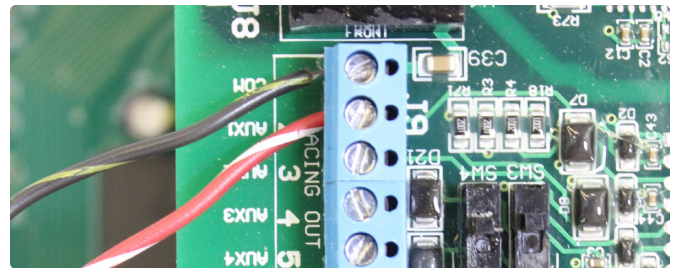


5. Connect the line side input leads into the terminal labeled L1 and L2.



L1 and L2 input terminals

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.*



AUX1 and COM connected to external switch

Powering up the Phase Perfect®

1. Close and latch the door.
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 sizzling noise will be emitted, and is normal.*

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



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Phase Perfect Manual

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