

INSTALLATION INSTRUCTIONS FOR THREE PHASE MODELS

MODELS: PF200C, PF400C, PF600C, PF1000C

WARNING: THESE PRODUCTS ARE CONNECTED TO HAZARDOUS VOLTAGES AND MUST BE INSTALLED BY A LICENSED ELECTRICIAN. ACCIDENTAL CONTACT WITH LIVE PARTS COULD RESULT IN SERIOUS INJURY OR DEATH.

ALL INSTALLATIONS MUST MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND ANY APPLICABLE LOCAL BUILDING CODES. DO NOT CONNECT UNITS TO VOLTAGES GREATER THAN 480VAC.

1. All units are designed to be installed at a breaker panel. This can be either the main panel or any subpanel that has a minimum of three available adjacent spaces to accept installation of a 3 pole circuit breaker.
2. If no spaces are available at any panel then a subpanel can be installed to accept the additional 3 pole circuit breaker.
3. All enclosures are rated a minimum of NEMA TYPE 4 and can be installed either indoors or outdoors.
4. The units **MUST NOT BE INSTALLED IN HAZARDOUS LOCATIONS.**
5. Before opening the panel, disconnect power to the panel by turning the main breaker to the "OFF" position.
6. All models are designed to be mounted on a rigid surface using the mounting holes on the top and bottom of the units.
7. Conduit must be run to the opening at the bottom of the unit for all models.
8. All models can be installed on 3 phase systems with voltages from 208VAC – 480VAC. Table 1 lists the maximum load current (Amps) and recommended circuit breaker rating for all models connected to 208VAC, 240VAC and 480VAC, 3Ø systems. Use the load current column of Table 1 in conjunction with the NEC and local building codes to determine conduit, conductor and circuit breaker sizes for your application.
9. All models must be installed on a dedicated 3 pole circuit.
10. Remove cover and connect the 3 phase conductors to the terminal block labeled L1, L2 and L3.
11. For models enclosed in non-metallic enclosures (PF1000C) or if using non-metallic conduit, install a lug onto the 1/4" grounding stud adjacent to ground symbol and connect a ground conductor to the lug.
12. Replace cover and turn on power.

Table 1 – Maximum 3Ø Load Current & Recommended Circuit Breaker

Model	Recommended Panel Size	208VAC, 60Hz, 3Ø		240VAC, 60Hz, 3Ø		480VAC, 60Hz, 3Ø	
		Load Current	Circuit Breaker	Load Current	Circuit Breaker	Load Current	Circuit Breaker
PF200C	200A	11.5A	20A	13A	20A	26.5A	40A
PF400C	400A	23A	30A	26.5A	40A	52.5A	70A
PF600C	600-800A	34A	50A	39.5A	50A	79A	100A
PF1000C	800-1000A	45.5A	60A	52.5A	70A	105A	150A