

TABLE 3

Amps	Catalog Number	Rating	Standard Horsepower	Maximum Horsepower	Pin & Sleeve Plug Cat. #	Wire Per Fig. No.	Replacement Cap Cat. #	Replacement Fuse Puller	Replacement Door
20	PS420FMIR12W	120/240 VAC	¼ HP @ 120VAC ½ HP @ 208VAC ½ HP @ 240VAC	1 HP @ 120VAC 2 HP @ 208VAC 2 HP @ 240VAC	PS420P12W	1	PS420MIRWL	PSFP30	PSFD
	PS420FMIR9W	3Ø240 VAC	1½ HP	5 HP	PS420P9W	2			
	PS420FMIR7W	3Ø480 VAC	3 HP	10 HP	PS420P7W	2			
	PS420FMIR5W	3Ø600 VAC	5 HP	15 HP	PS420P5W	2			
30	PS330FMIR6W	240 VAC	1 HP @ 208VAC 1½ HP @ 240VAC	3 HP @ 208VAC 3 HP @ 240VAC	PS330P6W	1	PS430MIRWL	PSFP30	PSFD
	PS430FMIR12W	120/240 VAC	½ HP @ 120VAC 1 HP @ 208VAC 1½ HP @ 240VAC	2 HP @ 120VAC 3 HP @ 208VAC 3 HP @ 240VAC	PS430P12W	1			
	PS430FMIR9W	3Ø240 VAC	3 HP	7½ HP	PS430P9W	2			
	PS430FMIR7W	3Ø480 VAC	5 HP	15 HP	PS430P7W	2			
	PS430FMIR5W	3Ø600 VAC	7½ HP	15 HP	PS430P5W	2			
	PS430FMIR3W	3Ø380/440 VAC	5 HP @ 380VAC 5 HP @ 440VAC	15 HP @ 380VAC 15 HP @ 440VAC	PS430P3W	2			
	PS530FMIR9W	3ØY 120/208 VAC	2 HP	5 HP	PS530P9W	3			
	PS530FMIR7W	3ØY 277/480 VAC	5 HP	15 HP	PS530P7W	3			
PS530FMIR5W	3ØY 347/600 VAC	7½ HP	15 HP	PS530P5W	3				
60	PS360FMIR6W	240 VAC	3 HP @ 208VAC 3 HP @ 240VAC	7½ HP @ 208VAC 7½ HP @ 240VAC	PS360P6W	4	PS60MIRWL	PSFP60	PSFD
	PS460FMIR12W	120/240 VAC	1½ HP @ 120VAC 3 HP @ 208VAC 3 HP @ 240VAC	3 HP @ 120VAC 7½ HP @ 208VAC 10 HP @ 240VAC	PS460P12W	1			
	PS460FMIR9W	3Ø240 VAC	5 HP	15 HP	PS460P9W	2			
	PS460FMIR7W	3Ø480 VAC	10 HP	30 HP	PS460P7W	2			
	PS460FMIR5W	3Ø600 VAC	15 HP	40 HP	PS460P5W	2			
	PS560FMIR9W	3ØY 120/208 VAC	5 HP	15 HP	PS560P9W	3			
	PS560FMIR7W	3ØY 277/480 VAC	10 HP	30 HP	PS560P7W	3			
	PS560FMIR5W	3ØY 347/600 VAC	15 HP	40 HP	PS560P5W	3			
100	PS4100FMIR12W	120/240 VAC	2 HP @ 120VAC 5 HP @ 208VAC 5 HP @ 240VAC	5 HP @ 120VAC 10 HP @ 208VAC 15 HP @ 240VAC	PS4100P12W	5	PS100MIRWL	PSFP100	PSFD100
	PS4100FMIR9W	3Ø240 VAC	10 HP	25 HP	PS4100P9W	2			
	PS4100FMIR7W	3Ø480 VAC	20 HP	50 HP	PS4100P7W	2			
	PS4100FMIR5W	3Ø600 VAC	30 HP	50 HP	PS4100P5W	2			
	PS5100FMIR9W	3ØY 120/208 VAC	10 HP	20 HP	PS5100P9W	30			
	PS5100FMIR7W	3ØY 277/480 VAC	20 HP	50 HP	PS5100P7W	3			
	PS5100FMIR5W	3ØY 347/600 VAC	30 HP	50 HP	PS5100P5W	3			



Pass & Seymour

READ AND SAVE THESE INSTRUCTIONS

# PIN & SLEEVE FUSED MECHANICAL INTERLOCK

IEC 309-1, 309-2 CONFIGURATION

20, 30, 60, 100 AMP

OUTDOOR/INDOOR (TYPE 4X WATERTIGHT, CORROSION RESISTANT)

INDOOR (TYPE 12K DUST TIGHT)

## WIRING GENERAL INSTRUCTIONS

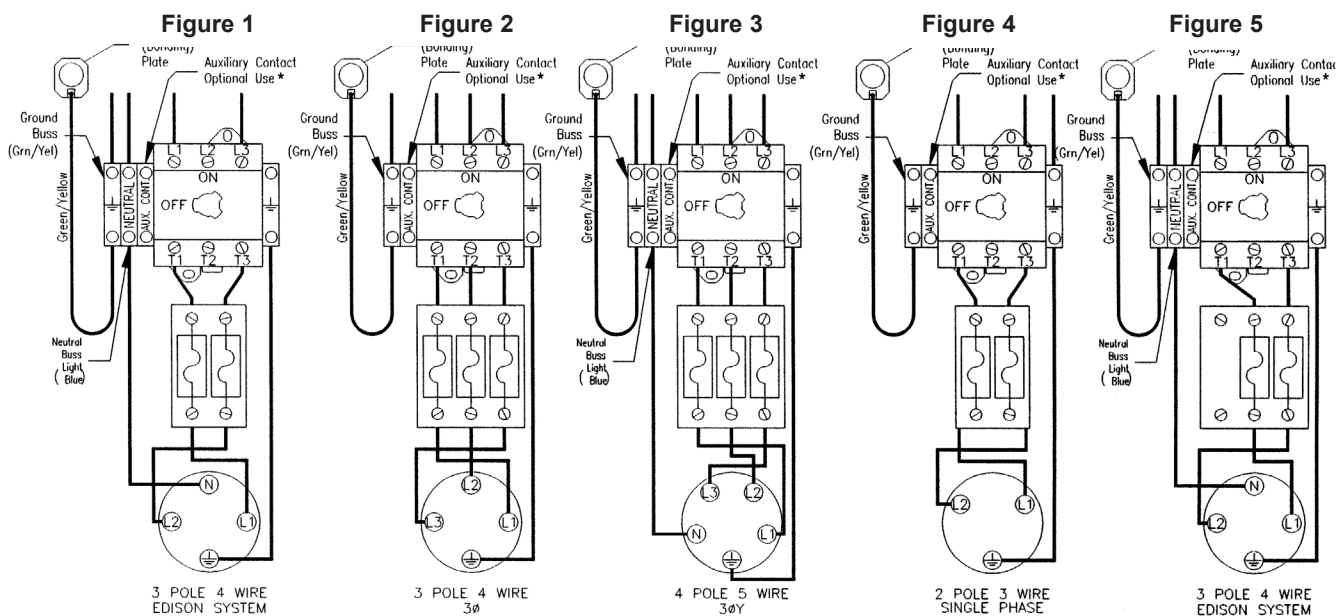
**NOTICE: READ BEFORE INSTALLING DEVICE**

This pin-and-sleeve device conforms to International Electrotechnical Commission Standards IEC 309-1 and 309-2. The arrangement of pins, sleeves and keys in this device is such that the device cannot be mated with an IEC device of a different voltage, amperage or system rating.

Pin-and-sleeve devices not made to IEC standards are made to standards established by individual companies. It is therefore possible that a non-IEC device can be improperly mated with an IEC device of a different voltage, amperage or system rating.

To assure safety in the use of pin-and-sleeve devices, DO NOT USE non-IEC devices in the same premises as IEC devices, unless it has been determined beforehand that no mating is possible which can create an electrical situation which is hazardous to life or property.

- NOTICE:** For installation only by a qualified electrician in accordance with the National Electrical Code®, Canadian Electrical Code, Local codes, and the instructions on this sheet.
- DANGER:** RISK OF ELECTRICAL SHOCK – TURN OFF SWITCH prior to removing or installing fuses.
- CAUTION:** RISK OF ELECTRICAL SHOCK – More than one disconnect switch may be required to deenergize the enclosure before servicing. DISCONNECT POWER SUPPLY(S) TO ENCLOSURE BEFORE REMOVING COVER AND EXPOSING INTERIOR.
- CAUTION:** Amperage rating of fuses **MUST NOT** exceed the ampere rating of the receptacle (National Electrical Code® Section 430-42(c) or Canadian Electrical Code, Part 1, Rule 28-602(3)(c)(l)).
- CAUTION:** Nonmetallic enclosure does not provide grounding between conduit connection. Use supplied ground plate with jumper wires, and install under conduit locknut inside enclosure. Tighten locknut securely to ensure watertight/dusttight seal and ground connection.
- This device must NOT be used as a junction box for feed-thru connections.
- Suitable for use on a circuit capable of providing not more than 10,000 rms symmetrical amperes at the voltage rating of the receptacle.
- This enclosure includes a provision for locking the switch handle in the “OFF” position. This feature accepts up to a 5/16” (8mm) diameter padlock shackle. This lockout feature is designed to isolate power from the receptacle and cord connection equipment as a means of compliance with OSHA Lockout/Tagout regulation 29CFR part 1910.147. This feature **DOES NOT** isolate power supplied to the device during internal servicing of the enclosure.
- The switch in this device is provided with a “Pre-break” auxiliary contact. The rating is 600VAC, 10 amps. The Pre-break feature allows the auxiliary contacts to open slightly prior to the main contacts opening. This is useful for signaling computer controlled equipment that power will be disconnected. It may be wired with 1 normally open and 1 normally closed contacts. (See diagram below for wiring).



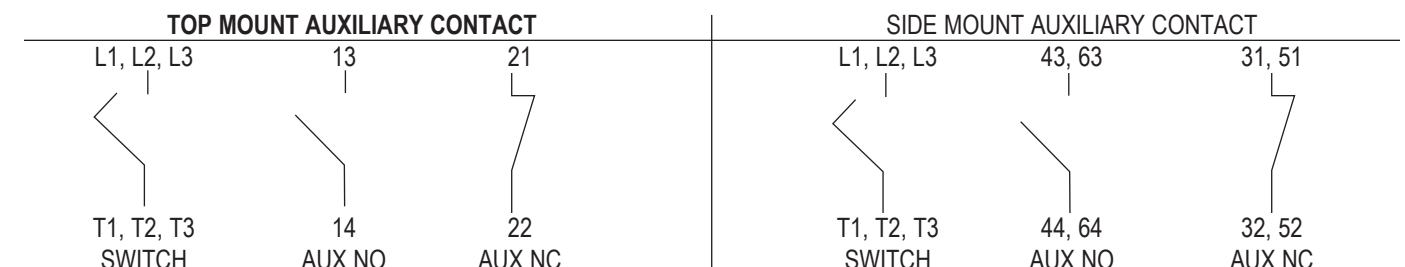
\*Auxiliary contact may be located on the side (as shown) or on the top. See page 1 for Auxiliary Contact Wiring Scheme.

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## INSTALLATION INSTRUCTIONS

1. Loosen (do not remove) the six (eight for 100amp) captivated enclosure cover screws and lift off cover.
2. Remove feet and screws from poly bag and mount the feet to the device in the desired position using the screws provided. Torque to 10-12 in. lbs. (1.1-1.4 N•m); see fig. B for mounting dimensions.  
NOTE: - The device must always be mounted vertically, with the receptacle end down.  
- Device must be mounted using mounting feet. **DO NOT** drill mounting holes thru enclosure.  
- Mounting feet will accept up to 3/8" screws (not provided).
3. Drill or punch the appropriate hole size (per Table 1 below) at the desired conduit entry location(s). Drill centers are provided at Top and Bottom of enclosure.  
NOTE: - The 100 amp device is supplied with a 1-1/2" hub; the 100 amp enclosure will also accommodate a 2" hub (not supplied) – see Table 1 for appropriate drill hole size. Use only a Listed/Certified conduit hub rated for Type 4X and/or Type 12K applications (depending on installation requirements) such as: T&B #H200-TB 2" trade size. When using a 2" hub, the grounding plate must be modified to remove the six break-out tabs. Break the tabs off along the score mark provided.

**TABLE 1**

	20 amp	30 amp	60 amp	100 amp	100 amp
Hub trade size	1"	1"	1-1/4"	1-1/2"	2" (not supplied)
Appropriate hole size	1-3/8" (34.9 mm) diameter	1-3/8" (34.9 mm) diameter	1-3/4" (44.4 mm) diameter	2" (50.8 mm) diameter	2-1/2" (63.5 mm) diameter

4. Install conduit hub; make sure o-ring is in place between hub and enclosure and the wire grounding plate is installed under the conduit locknut inside enclosure. Tighten locknut securely to ensure watertight/dusttight seal and ground connection.
5. Mount unit as intended on equipment, wall or other location after pre-drilling for screws per selected pattern table dimensions (see figure B).

## WIRING INSTRUCTIONS

Wire size may vary with application. 20-60 amp devices are rated 60/75°C, select conductor in accordance with ampacity Table 310-16 of the National Electrical Code® or Table 2 of the Canadian Electrical Code. The 100amp device is rated 75° C only, select conductor with insulation rated 75°C or higher having sufficient ampacity in accordance with the 75°C column of Table 310-16 of the National Electrical Code® or Table 2 of the Canadian Electrical Code.

1. **CAUTION:** Use copper conductors only.
2. Terminals will accept wire sizes listed in Table 2 below.
3. Cleanly cut and strip 1/2" (13mm) of insulation from end of cable. **DO NOT TIN CONDUCTORS.**
4. Select correct wiring diagram from TABLE 3 on last page and wire switch as illustrated, making sure to provide condensation drip loop as shown in figure B. Insert stripped cables fully into terminal openings and then tighten terminal screws per TABLE 2 below.
5. Replace enclosure cover being sure o-ring is seated properly in groove provided around cover. Tighten enclosure cover screws to 12-15 in. lbs. (1.4-1.7 N•m).
6. Turn the two (2) fastener screws a 1/4 turn counter clockwise to open fuse access door. Install appropriate Class "J" fuses (not supplied) into supplied fuse-puller and install into fuse block ensuring the arrows on the fuse-puller are pointing up.  
**CAUTION:** Amperage rating of fuses **MUST NOT** exceed the ampere rating of the receptacle (National Electrical Code® Section 430-42(c) or Canadian Electrical Code, Part 1, Rule 28-602(3)(c)(l)).
7. Close fuse access door & turn the two (2) fastener screws a 1/4 turn clockwise.

**TABLE 2**

AMPS	SWITCH		GROUND		NEUTRAL		AUXILIARY	
	TERMINAL CAPACITY	SCREW TORQUE	TERMINAL CAPACITY	SCREW TORQUE	TERMINAL CAPACITY	SCREW TORQUE	TERMINAL CAPACITY	SCREW TORQUE
20 & 30	#8-14 AWG	13-16 in. lbs. (1.5-1.8 N•m)	#6-14 AWG	14-16 in. lbs. (1.6-1.8 N•m)	#6-14 AWG	16-20 in. lbs. (1.8-2.3 N•m)	#12 AWG	5-7 in. lbs. (0.6-0.8 N•m)
60	#2-10 AWG	25-27 in. lbs. (2.8-3.0 N•m)	#4-10 AWG	16-20 in. lbs. (1.8-2.3 N•m)	#4-10 AWG	16-20 in. lbs. (1.8-2.3 N•m)	#12 AWG	5-7 in. lbs. (0.6-0.8 N•m)
100	#2-10 AWG	25-27 in. lbs. (2.8-3.0 N•m)	#0-10 AWG	22-26 in. lbs. (2.5-2.9 N•m)	#0-10 AWG	22-26 in. lbs. (2.5-2.9 N•m)	#12 AWG	5-7 in. lbs. (0.6-0.8 N•m)

## FUSE AND SHORT CIRCUIT INFORMATION

**Fuse Type:** Class J

**Horsepower Ratings:** The high inrush current of a motor starting greater than the standard horsepower rating may require the use of fuses with appropriate time delay characteristics (see Table 3 for standard and maximum allowable horsepower ratings).

**Replacements:** Fuse block replacement must be the same type Littelfuse® block as original and have equal or greater short circuit current withstand rating. Consult the factory for receptacle replacement parts.

