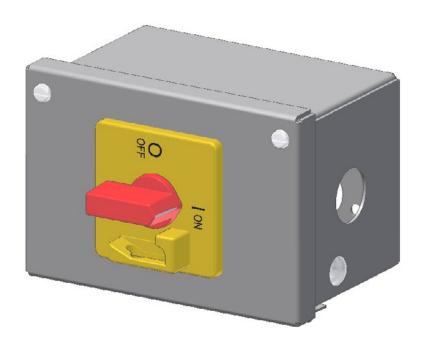
TPI Corporation P.O. BOX 4973



P.O. BOX 4973 JOHNSON CITY, TN 37602 www.tpicorp.com



DC-SK-1 Disconnect Switch for FSP HEATERS



AWARNING



IMPORTANT SAFETY INFORMATION INSIDE

- Serious injury or death possible
- Read, understand, and follow all safety information and instructions in this manual before using or servicing this product.

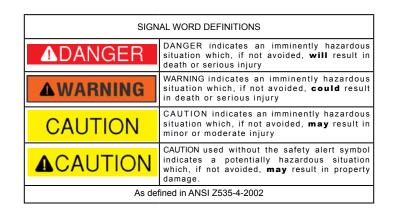
REFER TO COMPLETE INDEX OF INFORMATION ON PAGE 2

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ATTENTION:

The table to the right provides definitions of the signal words that can be found throughout this manual. These signal words are used to express the severity of the hazard at hand. The signal words are generally used in conjunction with safety symbols that correspond to the text for that particular hazard. As you read this manual, refer back to this table when you are unsure of the signal word definition.



GENERAL DESCRIPTION & USE

AWARNING

ELECTRICAL SHOCK HAZARD

Serious injury or death may



occur.



Disconnect from electrical supply before installing or servicing this product.



- Make certain the power source conforms to specifications on heater label.
- Always securely connect green wire from heater to bonding (ground) wire from electrical supply, not to a live or "hot" conductor.
- Follow state, local and national electric codes (NEC).

The Fostoria DC-SK-1 Disconnect Switch is designed to provide a safe and convenient way to control power to FSP Series heaters in locations. It can be mounted directly on the FSP-43 or FSP-95 models.ad heaters. It can also be wall mounted and used to control the heaters mentioned above as well as the FSP-14 and FSP-31 models.

SPECIFICATIONS

- Use with Voltages Thru 600VAC.
- 50 Amps Maximum Load
- 50/60 Hz Rating

- Can be used for single or three phase
- · applications.
- · Lockout feature included.
- Accomodates 3/4" electrical fittings.

INSTALLATION

AWARNING

ELECTRICAL SHOCK HAZARD

Serious injury or death may

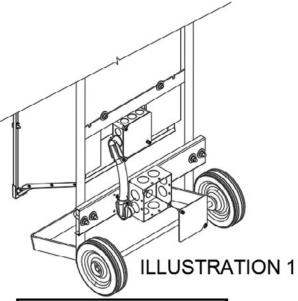
- occur.

 Disconnect from electrical
- supply before installing or servicing this product.

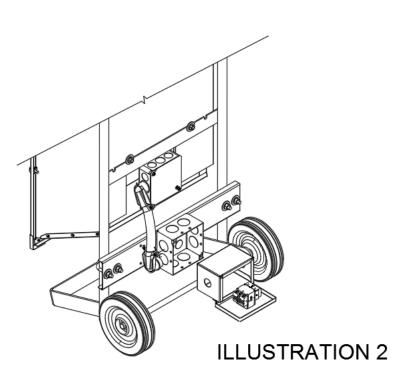
 Make certain the power
- source conforms to specifications on heater label.
 - Always securely connect green wire from heater to bonding (ground) wire from electrical supply, not to a live or "hot" conductor.
 - Follow state, local and national electric codes (NEC).

To install the DC-SK-1 on the FSP-43 AND FSP-95 models:

- Remove (2) screws and cover from bottom 4x4 field wiring box. Retain the screws. Loosen conduit from bottom 4x4 field wiring box. See illustration 1.
- 2. Install the DC-SK-1 to the terminal box by attaching the DC-SK-1 to the 4x4 field wiring box. Use the screws that were removed from the 4x4 wiring box and the two lockwashers supplied. See illustration 2.
- 3. Re-attach the conduit to the DC-SK-1.
- 4. Wire the heater to the load side of the switch (T1,T2 T3), see heater wiring diagram for single or three phase connection.
- Connect field wiring to line side of switch (L1,L2,L3). Secure ground wire to grounding lug.
- 6. Close and secure lid on enclosure.
- 7. Connect to appropriate power source.



For field wiring and heater mounting instructions refer to the Installation manual included with your heater.
All wiring must be performed by a licensed electrician.



FSP SERIES SUPPLY WIRE SPECIFICATIONS

The following tables are provided to assist the installer in the sizing of electric cables and/or plug sizes needed for each FSP heater model. Cords and plugs will have to be obtained through a local supplier or purchased separately from Fostoria Industries. All wiring must be copper, rated 90°C and meet local codes and National Electric Code (NEC) requirements.

TABLE A								
Heater Model	Kw	Volts	Amps		Type SO Cable Size*		Plug Size 3-Ph	Plug Size 1-Ph
			3-PH	1-PH	3-PH	1-PH]	
FSP-4320-3	4.3	208	11.94	20.67	12/4	10/3	20A/250V/4 WIRE	30A/250V/3 WIRE
FSP-4324-3	4.3	240	10.36	17.91	14/3	12/3	20A/250V/4 WIRE	30A/250V/3 WIRE
FSP-4327-1	4.3	277	N/A	15.52	N/A	12/3	N/A	20A/277V/3 WIRE
FSP-4348-3	4.3	480	5.18	8.96	14/4	14/3	20A/480V/4 WIRE	20A/480V/3 WIRE
FSP-4357-3	4.3	600	4.14	7.16	14/4	14/3	20A/600V/4 WIRE	20A/600V/3 WIRE
FSP-9520-3	9.5	208	26.39	45.67	10/4	6/3	50A/250V/4 WIRE	50A/250V/3 WIRE
FSP-9524-3	9.5	240	22.9	39.7	10/4	8/3	50A/250V/4 WIRE	50A/250V/3 WIRE
FSP-9527-1	9.5	277	N/A	34.3	N/A	8/3	N/A	50A/277V/3 WIRE
FSP-9548-3	9.5	480	11.44	19.8	12/4	10/3	20A/480V/4 WIRE	30A/480V/3 WIRE
FSP-9557-3	9.5	600	9.54	16.52	12/4	12/3	20A/600V/4 WIRE	30A/600V/3 WIRE
*50FT. Maximum Cable Length								

The electric cables in the following table can be purchased from Fostoria Industries for use on the FSP series heaters. They all have copper conductors, are 25 feet long and have 90°C rated jackets. Cable connectors are included.

TABLE B								
ELECTRIC CABLES								
SIZE / TYPE	PART NO.	SIZE / TYPE	PART NO.					
16/3 SO	08804300	8/3 SO	08805200					
14/3 SO	08804600	8/4 SO	08805100					
14/4 SO	08804900	6/4 SO	03164001					
12/3 SO	08804500	4/3 SO	08805300					
12/4 SO	03164201	2/3 SO	08804700					
10/3 SO	08804400							