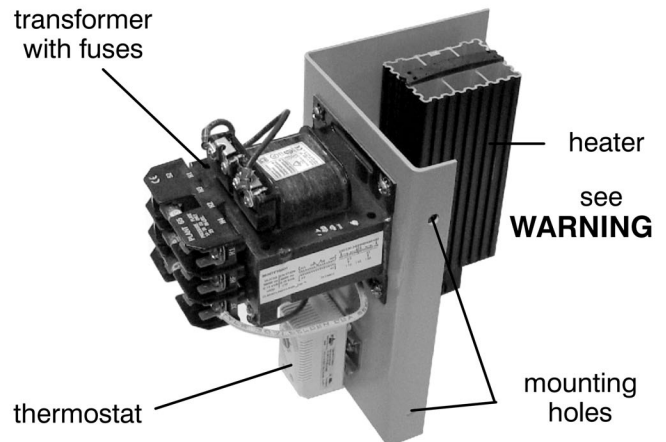


Accessory 44 Heater Installation Instructions

for ASCO® (ATS) Automatic Transfer Switches

The Accessory 44 Heater is designed to keep humidity and/or temperature within the ATS enclosure at acceptable levels. This accessory consists of a mounting bracket with heater, thermostat, and terminal block. A transformer with fuses is included when the power for the assembly is derived from the ATS. The 120 V ac customer powered assembly does not include a transformer. This accessory is available factory installed or in kit form. If already installed, turn the thermostat's dial to required setting.



⚠ DANGER

Deenergize all power to the Transfer Switch before opening the enclosure. Hazardous voltage capable of causing shock, burns, or death is used in this switch.

Mounting

1. After deenergizing both Normal and Emergency power sources and the Load, open the enclosure door. Carefully use a voltmeter to verify that all power is deenergized at the Transfer Switch power terminals
2. A *Mounting Hole Data* drawing is included on the next page. It specifies the typical locations and sizes of the heater assembly mounting holes for each ATS ampere rating size and design prefix letter. Drill two holes into the enclosure as indicated. J-design TS and E-design BP are door mounted.

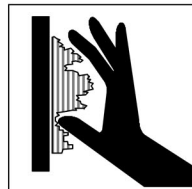
⚠ CAUTION

Protect the transfer switch from metal chips when drilling the holes. Clean up all debris inside the enclosure after drilling.

3. Use the kit hardware supplied to mount the bracket to the inside of the enclosure. The thermostat should face the front of the enclosure after mounting the assembly. J-design TS and E-design BP are door mounted.

⚠ DANGER

Deenergize the conductors before making any connections. Open the Normal and Emergency source circuit breakers and be sure that the load is also deenergized.



⚠ WARNING

To avoid burns, do not touch the heater surface which becomes hot during operation.

Wiring

1. A *Mounting Data* drawing is included on the next page. Select the appropriate view according to the Transfer Switch ampere rating and design prefix letter. If 120 V ac customer-furnished power will be used, go to step 2. If power will be from the Transfer Switch terminals, go to step 3.
2. **120 V ac customer-furnished power.** Run the 120 V ac line into the enclosure and connect the wires to TB terminals TB-1 and TB-2 on the heater assembly.
3. **Transfer Switch derived power.** Use #14 stranded wire to make a two-wire harness (not provided). Select the appropriate illustration on the *Mounting Data* drawing according to Transfer Switch ampere rating size and design prefix letter. Follow it to connect the Transfer Switch to the heater assembly. Connect one wire from transfer switch Load terminal LA to the heater assembly's fuse block terminal HI; connect the other wire from Load terminal LC to terminal HF on the fuse block. Double check all wiring before continuing.

⚠ CAUTION

Keep all wiring away from the heater surface.

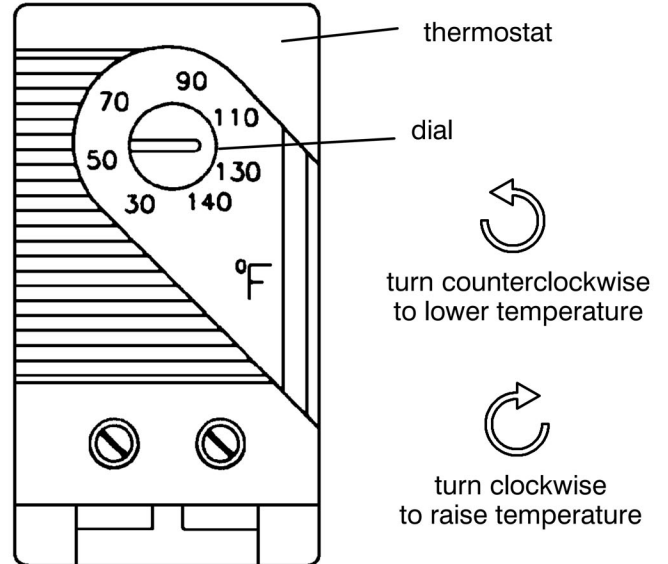
4. Turn the thermostat's dial to desired setting. Then close the enclosure door.
5. After the door is closed, reenergize the ATS (close Normal and Emergency source circuit breakers and reenergize the load). If a separate 120 V ac line was used for the accessory, energize that line.

⚠ DANGER

Deenergize all power to the Transfer Switch before opening the enclosure. Hazardous voltage capable of causing shock, burns, or death is used in this switch.

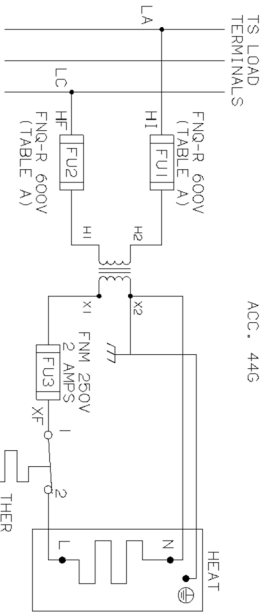
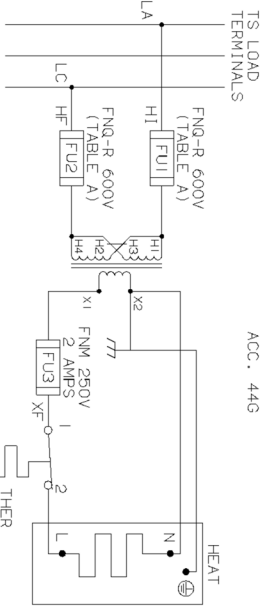
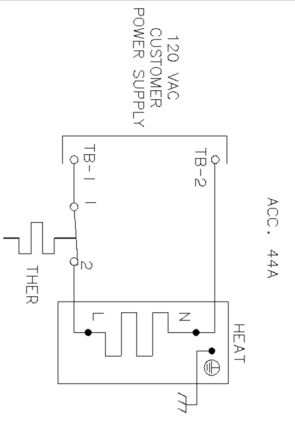
Operation

1. After deenergizing both Normal and Emergency power sources and the Load, open the enclosure door. Carefully use a voltmeter to verify that all power is deenergized at the Transfer Switch power terminals
2. Turn the thermostat's dial to desired setting. Then close the enclosure door.
3. After the door is closed, reenergize the ATS (close Normal and Emergency source circuit breakers and reenergize the load). If a separate 120 V ac line was used for the accessory, energize that line.



⚠ WARNING

To avoid burns, do not touch the heater surface which becomes hot during operation.

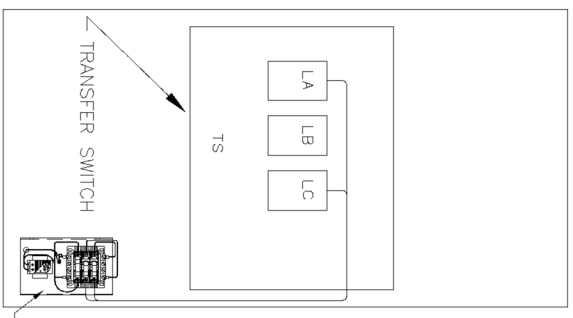
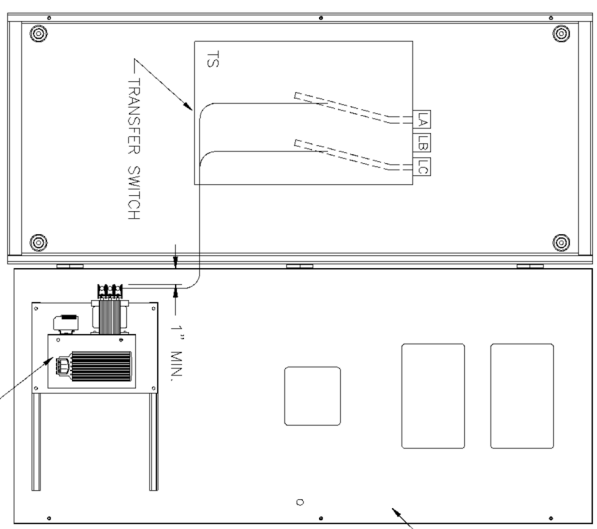
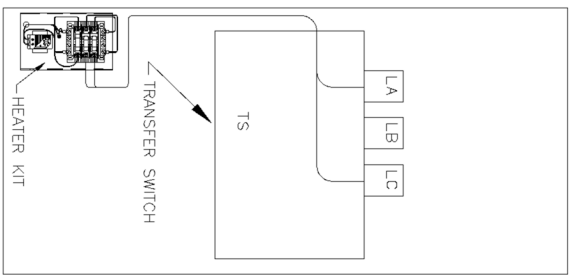


VOLTS	FUSE (PRIMARY)
208-240V	1 1/2 AMP
380V	8/10 AMP
460-480V	6/10 AMP
550-600V	6/10 AMP

DIAGRAM (CUSTOMER SUPPLY 120V)

DIAGRAM (208-240V & 440-480V)

DIAGRAM (380V & 550-600V)



"D" TS 30-230 AMP
 "E" TS 260-400 AMP
 "F" TS 600-800 AMP
 "H" TS 600-1000 AMP

"J" TS 150-600 AMP
 "K" BP 150-400 AMP

"G" TS 1000-2000 AMP
 "G" TS 2600-3000 AMP
 "H" TS 1200 AMP
 "H" BP 600-1200 AMP
 "J" BP 150-600 AMP

- NOTE:
1. DRAWINGS ARE NOT TO SCALE
 2. USE EXISTING HOLES ON ENCLOSURE TO MOUNT HEATER KIT FOR 1600-3000 AMPS TS ENCLOSURE.

PRODUCT NAME		DISTRIBUTION		OUTLINE	
MOUNTING DATA FOR HEATER KITS					
ORDER NO.	DATE	MANUFACTURING/ISSUED TO BY	DATE	ORDER NO.	DATE
12	2/2/97	FOR FIELD USE SEE "H"	12/2/97	611911	DS
<p>ASCO®</p> <p>ASCO Thermal Technologies, Inc.</p> <p>12000 W. 10th Street, Suite 100, Golden, CO 80401</p> <p>Phone: 303.440.1000 Fax: 303.440.1001</p> <p>Website: www.asco.com</p>					
REV. 01	12/2/97	REV. 01	12/2/97	REV. 01	12/2/97