



INSTALLATION INSTRUCTIONS

“F” Series Electric Heat Kits for Aspen Wall Mount Air Handlers

▲ WARNING

Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

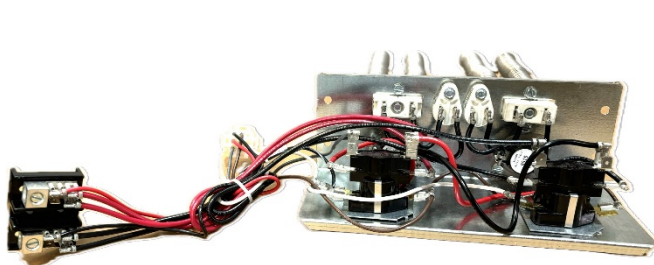
The unit is designed for operation with 208/240 V, single phase, 60 Hz power supply. Aspen will not be responsible for damages caused due to modification of the unit to operate with alternative power sources.

This product designed and manufactured to permit installation in accordance with local and national building codes. It is the installer’s responsibility to ensure that product is installed in strict compliance with national and local codes. Manufacturer takes no responsibility for damage (personal, product or property) caused due to installations violating regulations. Installation of this unit shall be made in accordance with the National Electric Code, NFPA No. 90A and 90B, and any other local codes or utilities requirements.

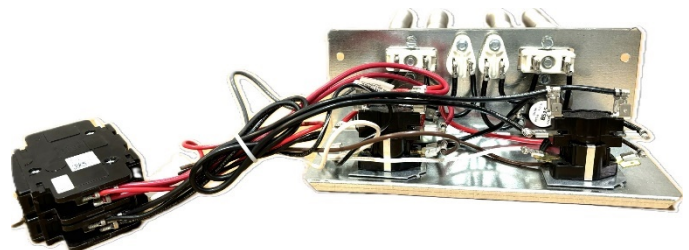
Do not bypass safety devices.

ELECTRIC HEAT KITS					
Kit #	Description		Kit #	Description	Models Where Used
W/ Terminal Block	FTS03	3KW Heat Strip w/ Terminal Block	FCS03	3KW Heat Strip w/ Circuit Breaker	A(A,E)W, G(A,E)W 18,19,20,23,24,25,26
	FTS05	5KW Heat Strip w/ Terminal Block	FCS05	5KW Heat Strip w/ Circuit Breaker	
	FTS06	6KW Heat Strip w/ Terminal Block	FCS06	6KW Heat Strip w/ Circuit Breaker	
	FTS08	8KW Heat Strip w/ Terminal Block	FCS08	8KW Heat Strip w/ Circuit Breaker	PEW 21,22,28,29
	FTS10	10KW Heat Strip w/ Terminal Block	FCS10	10KW Heat Strip w/ Circuit Breaker	PAW 21,22,27,28
	FTM03	3KW Heat Strip w/ Terminal Block	FCM03	3KW Heat Strip w/ Circuit Breaker	LEW 30(A,B,C,D,E,F)
	FTM05	5KW Heat Strip w/ Terminal Block	FCM05	5KW Heat Strip w/ Circuit Breaker	
	FTM06	6KW Heat Strip w/ Terminal Block	FCM06	6KW Heat Strip w/ Circuit Breaker	
	FTM08	8KW Heat Strip w/ Terminal Block	FCM08	8KW Heat Strip w/ Circuit Breaker	A(A,E)W, G(A,E)W 30,36,31,37
	FTM10	10KW Heat Strip w/ Terminal Block	FCM10	10KW Heat Strip w/ Circuit Breaker	PEW 33,34,38
					PAW 29,32,33,34,35,38
					LEW 36(A,B,C,D)

TABLE 1



WITH TERMINAL BLOCK

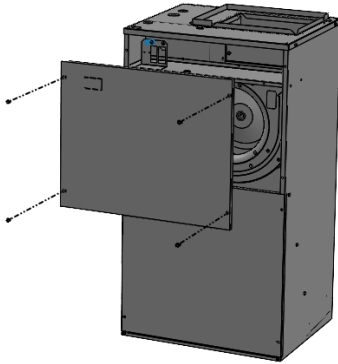


WITH CIRCUIT BREAKER

INSTRUCTIONS:

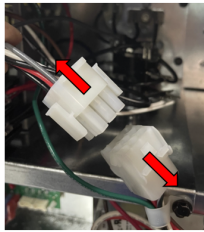
STEP 1:

Disconnect power, unscrew and open upper access panels to access the electrical box.



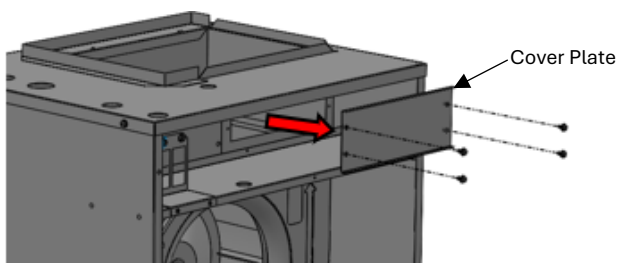
STEP 2:

If the unit has an existing heat kit with wire harness, unplug wire harness connectors from the unit.



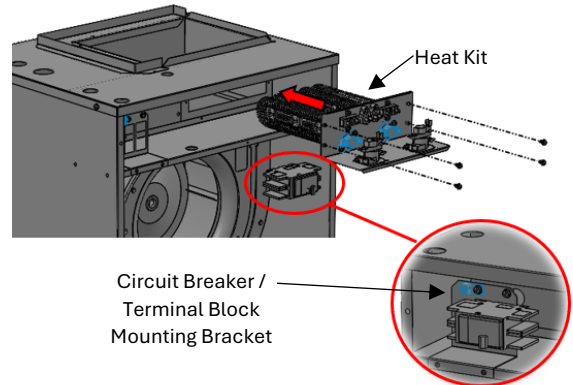
STEP 3:

Remove 4 screw on the cover plate or if an existing heat kit is present. Set aside the 4 screw and discard the cover plate.



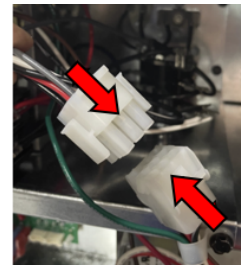
STEP 4:

Align and insert the new heat kit into the unit. Secure the heat kit by re-using the 4 screw that you set aside. Mount the circuit breaker or terminal block into the mounting bracket.



STEP 5:

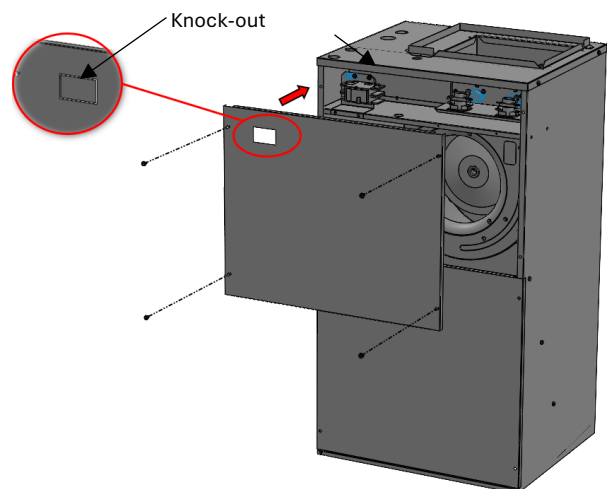
Reconnect the unit wire harness connector and make sure all wiring connections conforms with the unit wiring diagrams.



STEP 6:



Terminal Block Option: Mount the upper access panel into the unit and secure it with the 4 screws.

Circuit Breaker Option: Remove the knock-out on the upper access panel, cut the insulation on the knockout area and mount and align the upper access panel into the unit and secure it with the 4 screws.



STEP 7:

Find the nameplate of the air handler unit and cross out the existing configuration and check the new heat kit model configuration that was installed.

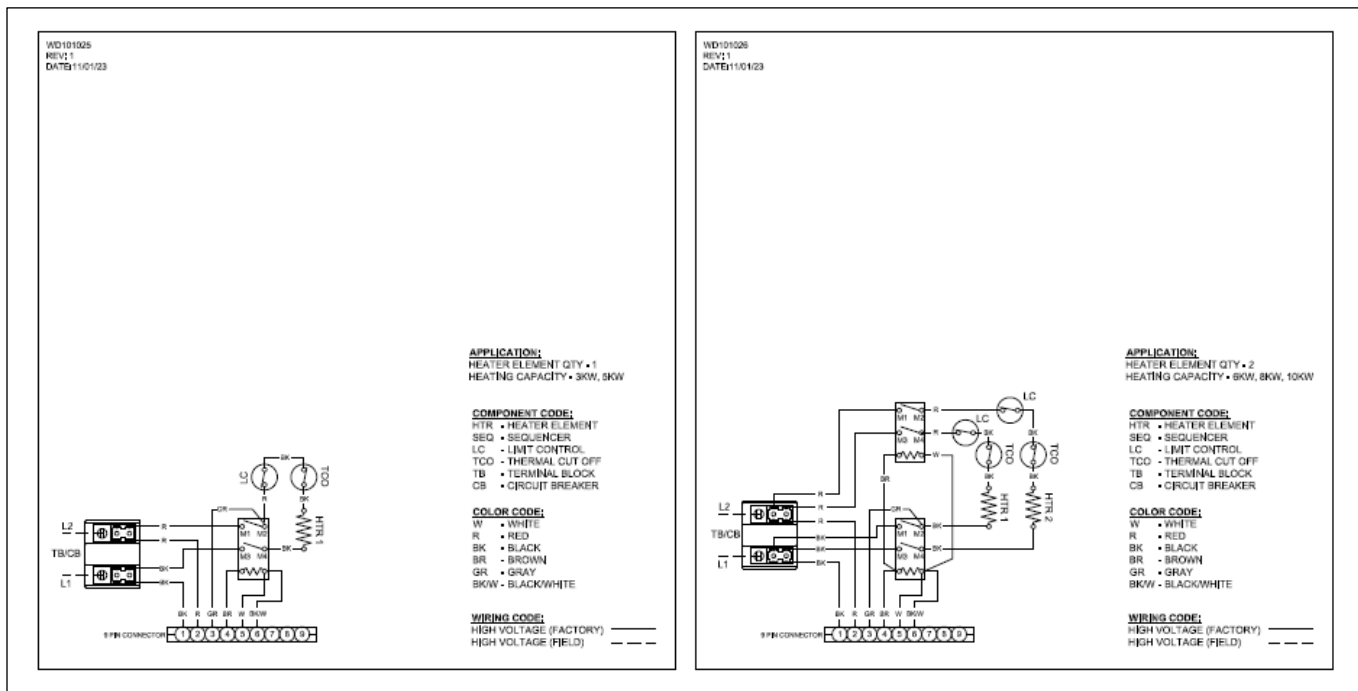
ASPEN MANUFACTURING				64786 CONFORMS TO UL 60335-2-40 CSA C22.2 No. 60335-2-40			
MODEL NO. : LEW30BJ-000+FCS10		MOTOR HP : 0.33		REFRIGERANT : R454B			
SERIAL NO. : H24-00000003		MOTOR FLA : 2.100		MAX ALLOWABLE PRESSURE : 650 PSIG / 4.482MPa			
VOLTS : 208 / 240		TEST DUCT STATIC PRESS. : 0.5 IN. W.C. (MAX)		FACTORY CHARGED NITROGEN : 150 PSIG / 1.034 MPa			
PH / HZ : 1 / 60							

HEATER KIT MODEL NO.	ELECTRIC HEAT RATED (KW)	ELECTRIC HEAT ACTUAL (KW)		TOTAL UNIT AMPS		MINIMUM CIRCUIT AMPACITY		MAX FUSE OR BREAKER (HACR) AMPACITY		MIN. HEATING BLOWER SPEED
		208V	240V	208V	240V	208V	240V	208V	240V	
NO ELEC. HEAT	0 <input type="checkbox"/>	0	0	2.1	2.1	2.6	2.6	15	15	NA
+FCS00, +FTS00	0 <input type="checkbox"/>	0	0	2.1	2.1	2.6	2.6	15	15	NA
+FCS03, +FTS03	3 <input type="checkbox"/>	2.3	3	12.9	14.6	16.1	18.3	20	20	T4
+FCS05, +FTS05	5 <input type="checkbox"/>	3.6	4.8	19.4	22.1	24.3	27.6	25	30	T4
+FCS06, +FTS06	6 <input type="checkbox"/>	4.5	6	23.7	27.1	29.7	33.9	30	35	T4
+FCS08, +FTS08	8 <input type="checkbox"/>	6	8	30.9	35.4	38.7	44.3	40	45	T5
+FCS10, +FTS10	10 <input checked="" type="checkbox"/>	7.2	9.6	36.7	42.1	45.9	52.6	50	60	T5

NOTE: RE-CHECK APPROPRIATE BOX ☐ FOR HEATER KIT CHANGES IN THE FIELD.
SUITABLE FOR 0 INCH CLEARANCE BETWEEN UNIT AND COMBUSTIBLE SURFACES AND 0 INCH CLEARANCE BETWEEN OUTLET PLENUM AND FIRST 3 FEET OF
OUTLET DUCT AND COMBUSTIBLE SURFACES WHEN HEATERS ARE INSTALLED. MAXIMUM OUTLET AIR TEMPERATURE NOT TO EXCEED 197°F

STEP 8:

Find the wiring diagram label that is included in the heat kit and stick it near the nameplate.



HOW TO REPLACE A DEFECTIVE THERMAL CUT OFF (TCO) OF A HEATER KIT:

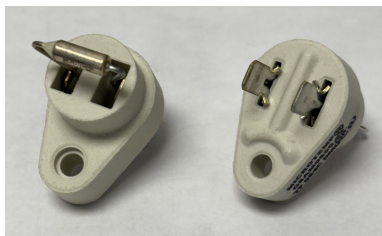


Fig. 1 – TCO Image

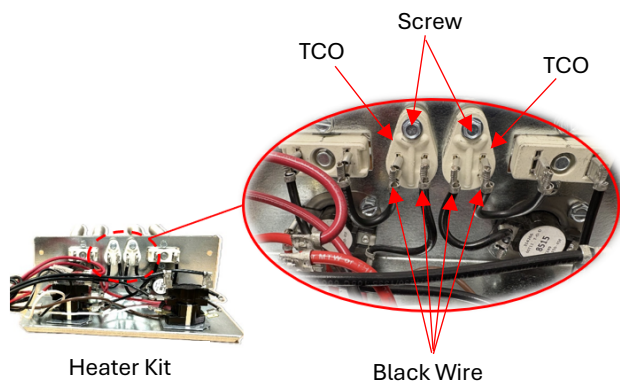


Fig. 2 – Heater Kit w/ TCO

1. Disconnect power, unscrew and open upper access panels to access the heater kit from the unit.
2. Locate the TCO(s) and disconnect the 2 black wires per TCO. Using a multimeter, measure continuity/resistance of the fuse element by placing the test probes across the two terminals to verify if the fuse has failed. The quantity of TCO's depends on the heater kit model. The heater kit model shown in Figure 2 has two TCOs.
3. Unscrew the defective TCO from the base plate and using the same screw(s) mount the new one back in the same spot.
4. Re-connect all the wirings in the same terminals that you disconnect it from.
5. Mount the access panel back in the unit.



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