

“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.

F SERIES ELECTRIC HEAT KITS [Table 1]

Kit #	Description	Kit #	Description	Models Where Used			
W/ Terminal Block	FTS03	3KW Heat Strip w/ Terminal Block	W/ Circuit Breaker	FCS03	A(A,E)W, G(A,E)W 18,19,20,23,24,25,26 PEW 21,22,28,29 PAW 21,22,27,28 LEW 30(A,B,C,D,E,F)		
	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	
	FTS10	10KW Heat Strip w/ Terminal Block		FCS10		10KW Heat Strip w/ Circuit Breaker	
	FTM03	3KW Heat Strip w/ Terminal Block		FCM03		3KW Heat Strip w/ Circuit Breaker	A(A,E)W, G(A,E)W 30,36,31,37 PEW 33,34,38 PAW 29,32,33,34,35,38 LEW 36(A,B,C,D)
	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	
	FTM10	10KW Heat Strip w/ Terminal Block		FCM10		10KW Heat Strip w/ Circuit Breaker	
	FTS03P	3KW Heat Strip w/ Terminal Block		FCS03P	3KW Heat Strip w/ Circuit Breaker	AAW, GAW 18,19,20,23,24,25,26 PAW 21,22,27,28	
	FTS05P	5KW Heat Strip w/ Terminal Block		FCS05P	5KW Heat Strip w/ Circuit Breaker		
	FTS06P	6KW Heat Strip w/ Terminal Block		FCS06P	6KW Heat Strip w/ Circuit Breaker		
	FTS08P	8KW Heat Strip w/ Terminal Block		FCS08P	8KW Heat Strip w/ Circuit Breaker		
	FTS10P	10KW Heat Strip w/ Terminal Block		FCS10P	10KW Heat Strip w/ Circuit Breaker		
	FTM03P	3KW Heat Strip w/ Terminal Block		FCM03P	3KW Heat Strip w/ Circuit Breaker	AAW, GAW 30,36,31,37 PAW 29,32,33,34,35,38	
	FTM05P	5KW Heat Strip w/ Terminal Block		FCM05P	5KW Heat Strip w/ Circuit Breaker		
	FTM06P	6KW Heat Strip w/ Terminal Block		FCM06P	6KW Heat Strip w/ Circuit Breaker		
	FTM08P	8KW Heat Strip w/ Terminal Block		FCM08P	8KW Heat Strip w/ Circuit Breaker		
	FTM10P	10KW Heat Strip w/ Terminal Block		FCM10P	10KW Heat Strip w/ Circuit Breaker		



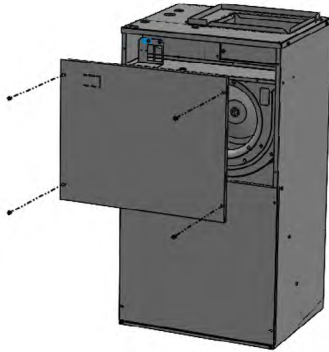
WITH TERMINAL BLOCK



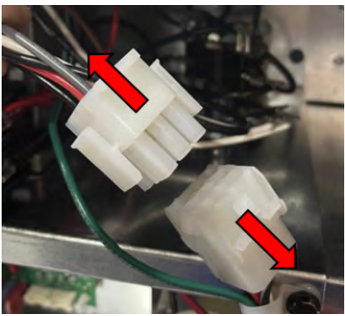
WITH CIRCUIT BREAKER

Instructions

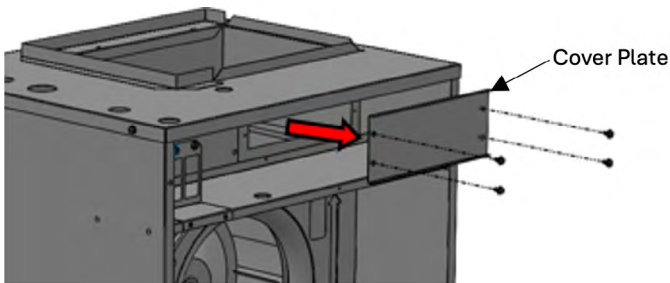
STEP 1: Disconnect power, unscrew and open upper access panels to access the electrical box.



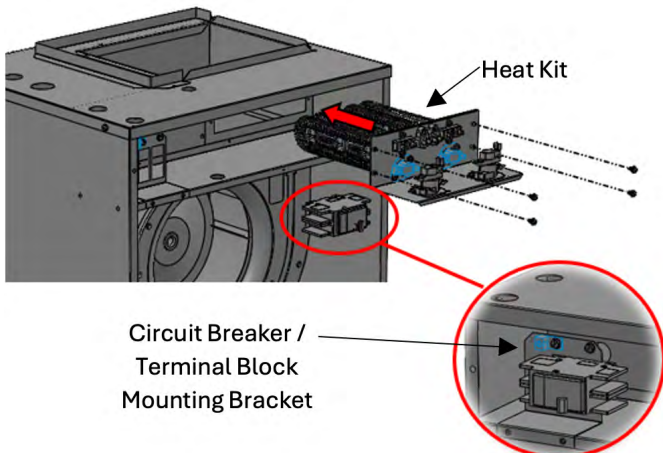
STEP 2: If the unit has an existing heat kit with wire harness, unplug wire harness connectors from the unit.



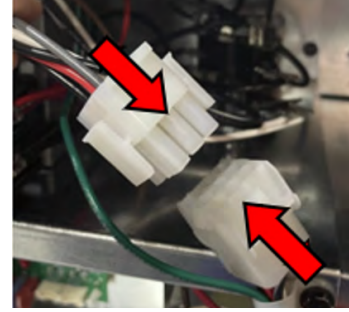
STEP 3: Remove 4 screw on the cover plate or if an existing heat kit is present. Set aside the 4 screw and discard the cover plate.



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.

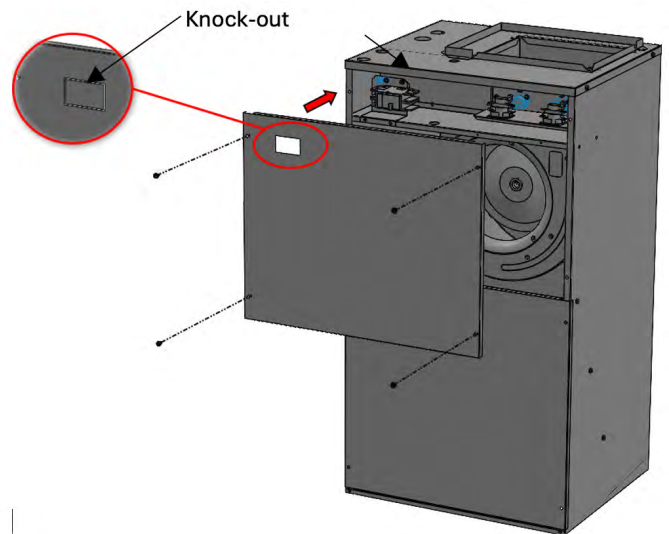


STEP 5: Reconnect the unit wire harness connector and make sure all wiring connections conforms with the unit wiring diagrams.





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 knock-out 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.





64786
CONFORMS TO UL
60335-2-40
CSA C22.2 No.
60335-2-40

MEMBER
AHRI
AIR-CONDITIONING, HEATING,
& REFRIGERATION INSTITUTE
we make life better™

MODEL NO. : LEW30BJ-000+FCS10
 SERIAL NO. : H24-00000003
 VOLTS : 208 / 240
 PH / HZ : 1 / 60

MOTOR HP : 0.33
 MOTOR FLA : 2.100
 TEST DUCT STATIC PRESS. : 0.5 IN. W.C. (MAX)

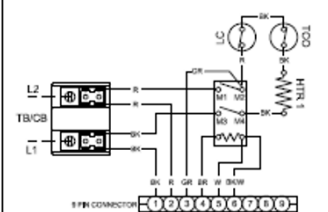
REFRIGERANT : R454B
 MAX ALLOWABLE PRESSURE : 650 PSIG / 4.482MPa
 FACTORY CHARGED NITROGEN : 150 PSIG / 1.034 MPa

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.

WD101026
REV: 1
DATE: 11/01/23



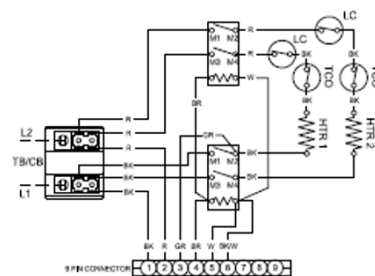
APPLICATION:
HEATER ELEMENT QTY • 1
HEATING CAPACITY • 3KW, 5KW

COMPONENT CODE:
HTR • HEATER ELEMENT
SEQ • SEQUENCER
LC • LIMIT CONTROL
TCO • THERMAL CUT OFF
TB • TERMINAL BLOCK
CB • CIRCUIT BREAKER

COLOR CODE:
W • WHITE
R • RED
BK • BLACK
BR • BROWN
GR • GRAY
BKW • BLACK/WHITE

WIRING CODE:
HIGH VOLTAGE (FACTORY) _____
HIGH VOLTAGE (FIELD) _____

WD101026
REV: 1
DATE: 11/01/23



APPLICATION:
HEATER ELEMENT QTY • 2
HEATING CAPACITY • 6KW, 8KW, 10KW

COMPONENT CODE:
HTR • HEATER ELEMENT
SEQ • SEQUENCER
LC • LIMIT CONTROL
TCO • THERMAL CUT OFF
TB • TERMINAL BLOCK
CB • CIRCUIT BREAKER

COLOR CODE:
W • WHITE
R • RED
BK • BLACK
BR • BROWN
GR • GRAY
BKW • BLACK/WHITE

WIRING CODE:
HIGH VOLTAGE (FACTORY) _____
HIGH VOLTAGE (FIELD) _____

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

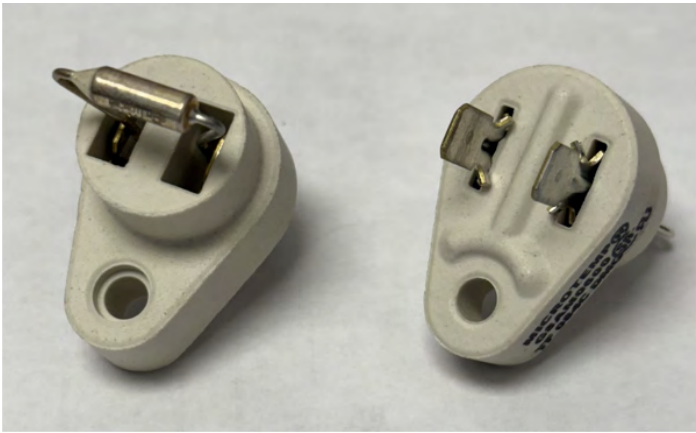


Figure 1 - TCO Image

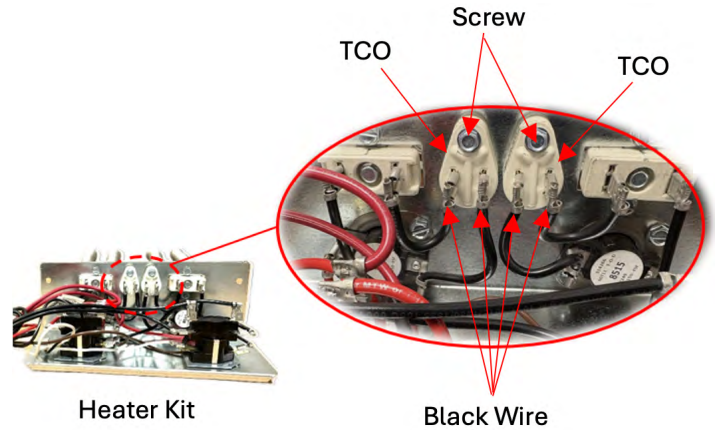
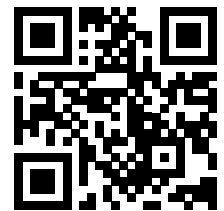


Figure 2 - Heater Kit w/ TCO

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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Revised 01-2025. Subject to change without notice and without incurring obligation.