



IMPORTANT

1. Always include complete heater model and serial number so that any specification change can be considered for parts shipment. It can save time and expense.
2. Specifications are subject to change without notice.
3. We reserve the right to substitute functional replacements.
4. Order either by Kit or Component Part No.

Replacement Parts

Applies to:

RDF Series Direct-Fired Makeup Air Heater



INDEX

- A**
 Actuator 12
 Amplifier 14
- B**
 Bearing 20
 Belt 20
 Belt Tension 20
 Blower and Motor Mounting 19
 Blower Bearings 20
 Blower Shaft 20
 Blower Speed Adjustment 20
 Diagnostic Circuit Analyzer Board 4
 Bulb 4
 Burners for RDF manufactured prior to Series 3 16
 Burners for RDF Series 3 16
- C**
 Cabinet Parts 28
 Holding Coils for IEC Starters 11
 Contactor 4, 7
 Air Controller 12
 Control Locations 3
 Crank Arm 17
 Roof Curb Packages 31
- D**
 Damper Rods 18, 19
 Dampers and Controls 17
 Dampers and Controls for RDF Systems prior to Series 3 18
 Dampers in RDF Series 3 17

- Date of Manufacture 2
 Disconnect Switch 6
 Drives 20
- E**
 Electrical Box 3
- F**
 Filters 29, 30
 Filter Sections 29
 Firestat 4
 Flame Probe 15
 Flame Rod Wire Assembly 15
 Fuse 4, 5
- G**
 Gas Train/ Manifold 3
- H**
 Hinge 28
 Hood 29
- I**
 Ignition Conversion Kit 15
 Ignition Module 15
 Spark Ignition System 15
 Hot Surface Ignitor 15
 Ignitor Wire Assembly 15
- L**
 Light w/red lens 6
 Limit 4
- M**
 Mixing Tube 14
 Modulating Gas Controls 14

- Damper Motors 17
 Motors 7, 10
- O**
 Convenience Outlet Receptacle 4
 Outside Air Inlet Hood 29
- P**
 Pilot Assembly 15
 Pilot Regulator 12
 Pilot Valve 12
 Potentiometer 4, 6, 17
 Air Pressure Switch Kit 4
 Dirty Filter Pressure Switch 4
 High Air Pressure Switch 4
 High Gas Pressure Switch 12
 Low Air Pressure Switch 4
 Low Gas Pressure Switch 12
 Null Pressure Switch 4
 Pulley 21
- R**
 Rating Plate 2
 REFERENCES 1
 Regulator 12
 Relay 4, 15
 Remote Console 5
- S**
 Insect Screen 4
 Flame Sensor 15
 Photohelic Pressure Sensor 4, 17
 Sensor 16
 Temperature Sensor 14

- Serial No. 2
 Blower Sheave 20
 Motor Sheave 20
 Signal Conditioner 14, 17
 Spark Generator 4
 Spark Plug 15
 Spring 12
 Starter 7
 NEMA Starters 11
 DPDT Switch 6
 DPDT System Switch 4
 SPDT Switch 4
- T**
 Temperature Selector 6, 14
 Terminal Block 4
 Thermostat 14
 Timer Board 15
 Transformer 4, 5
 Tubing 4
- U**
 Ultraviolet Detector 15
- V**
 Valve 12
 Vent Limiter 12






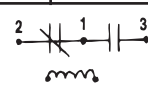






See your Factory Distributor for Forms listed below

Additional Forms

Subject.....	Form
Installation, Model RDF	I-RDF
Operation/Maintenance/Service, Model RDF	O-ADF/DV/RDF
Installation, Roof Curb Installation Instructions	I-OPT-C
Parts, Gas Conversion	CP-GC
Parts, Serial No., Gas Valves and Maxitrol Gas Controls.....	P-VALVES
Instruction, Conversion to Hot Surface Ignition	CP-RDF-IGN

Electrical Components

CODE	Description	Location	P/N
1	Relay, SP-ST or SP-DT, 24V Coil	Relay Relay Socket Base	Units manufactured after 8/11
	Control Compartment	Replacement Kit for units mfgd prior to 8/11 (replaces P/N's 14747, 18549, 98118, and 103317)	
		263527	
1	Relay, SP-ST or SPDT, 120V Coil	Relay Relay Socket Base	Units manufactured after 8/11
	Control Compartment	Replacement Kit for units mfgd prior to 8/11 (replaces P/N's 103318 & 103319)	
		263530	
2	Time Delay Relay (Low Fire), 24V Coil, Thermodisc #F12S20, Style 305139	Control Compartment	89254
3	Time Delay Relay (for freezestat bypass), T&B Agastst #VTM1ULA	Control Compartment	89661
4	Prepurge Time Delay Relay, 24V Coil, Thermodisc #12S20	Control Compartment	52887
5	Relay, 24V Coil, Essex #91-102006-1300	Control Compartment	110656
6	Manual Reset Limit, Thermodisc 330545, L150	Blower Discharge	82610
7	Automatic Limit, L135, Thermodisc #60T11-312616	Blower Discharge	86979
8	Outside Air Cutoff (High Ambient Limit) & Freezestat, J/C #A19AAF-12C	Control Compartment	126170
9	Flame Safety Limit (ECO), Opens 306°F, Thermodisc #G4AP0200152C	Gas Train Compartment	82414
13	Firestat, Honeywell #L4029E1029, 200°F	Blower Discharge	42782
14	Spark Generator, 120V, Honeywell #Q624A1014	Control Compartment	86974
15	Low Air Pressure Switch, IS2-0233-5275 for RDF Series 3	Control Compartment	207178
	Low Air Pressure Switch Kit replaces P/N 86986, #FS4197-166 or PPS10175-3043	Control Compartment	193806
16	High Air Pressure Switch, IS2-0233-5273 for RDF Series 3	Control Compartment	207176
	High Air Pressure Switch Kit replaces P/N 86987, #FS4197-164 or PPS10175-3041	Control Compartment	193807
17	Plastic Tee for Air Pressure Tubing, 3/16", 1/16" I.D.		87482
18A	Yellow Plastic Tubing for air pressure switch, 3/16" O.D. x 14"		122855
18B	Clear Plastic Tubing for Air Pressure Switch, 3/16" O.D. x 3 ft		102401
19	Bushing and Insect Screen for Sensing Probes (not illustrated)		96794
20A	Air Pressure Switch, IS2-0233-5274 for RDF Series 3	Control Compartment	207177
	Air Pressure Switch Kit replaces P/N 87250, #FS4197-165 or PPS10175-3042		193809
20B	Air Pressure Switch, IS2-0233-5276 for RDF Series 3	Control Compartment	207179
	Air Pressure Switch Kit replaces P/N 87249, #FS4197-171 or PPS10175-3044		193808
21	Contact, HCC-2XQ01AA, 24V (used with Option BM80 and BM81 manifold)	Control Compartment	203935
22	Diagnostic Circuit Analyzer Board	Control Compartment	151263
22A	Replacement Bulb for Circuit Analyzer Board, RDF Series 3		125189
	Replacement Light for Circuit Analyzer Board (Option BS2 prior to RDF Series 3)		101889
22B	Replacement Relay for Code 22, SKMP-2C-24AC		151271
23	Terminal Block, #KT3	Control Compartment & Remote Console	144972
24	Terminal Block Adapter		144973
25	Convenience Outlet Receptacle, Hubbell #GF5362 (separate electrical supply)	Control Compartment	96912
26A	Dirty Filter Pressure Switch, Tri-Delta #AP4434, set at .3" w.c.	Control Compartment	105507
26B	Clear Plastic Tubing for Dirty Filter Pressure Switch, 3/16" O.D. x 112"		179302
27A	Fuseholder, replaced with CODE 27B - effective Aug., 2012	Control Compartment	---
27B	Fuseholder, Buss Model HTB-481	Control Compartment	60241
28	Fuses - See descriptions and list of P/N's on page 5.		
29	Transformer - See descriptions and list of P/N's on page 5.		
30	DPDT System Switch, Winter/Off/Summer, Cutler Hammer 7561K6	Space (Console)	101900
31	SPDT Switch (service switch), Cutler Hammer 7505K6	Control Compartment	101901
32	Null Pressure Switch, .01" - .20" w.c., Dwyer #1640-0	Heated Space	88052
33	Potentiometer, Honeywell 112894FA	Space/Remote Console	16110
34	Photohelic Pressure Sensor in Options AR36 & AR37, 3000-00-N24 Vac	Remote	158893

CODE 1 - Relay and Socket Base 	CODE 2 - Time Delay Relay (Low Fire), P/N 89254  (On units mfgd prior to 3/96)	CODE 3 - Time Delay Relay (Freezestat), P/N 89661 	CODE 4 - Prepurge Time Delay Relay, P/N 52887 
CODE 5 - Relay, P/N 110656 		CODE 6 - Limit Switch, P/N 82610 	CODE 7 - Limit, P/N 86979 (Automatic Reset) 
CODE 8 - Adjustable Outside Air Cutoff Control and Freezestat, P/N 126170  (Replaces P/N 16108)	Grommet Clamp, P/N 131993; Cable Clamp, P/N 132065 	CODE 9 - ECO Limit, P/N 82414 	CODE 13 - Firestat, P/N 42782 
			CODE 14 - Spark Generator, P/N 86974 (On units mfgd prior to 3/96) 