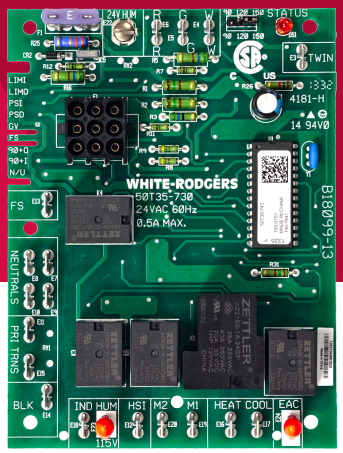
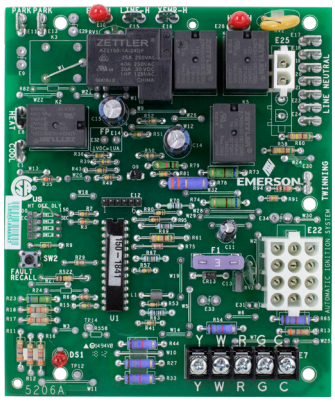
Goodman
Electronic Controls

D
OEM Direct

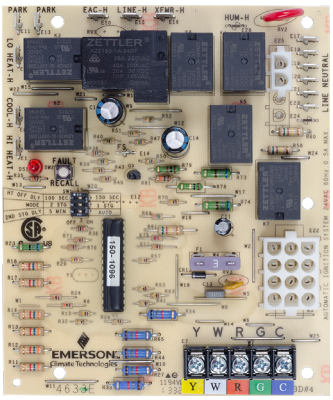
Fast and Easy Direct OEM Replacement for Air Handler, Integrated Furnace and Outdoor Controls



50T35-743



50M56-707



50M56-743

Direct OEM Replacement Control
Fast drop-in OEM mounting and wiring.

Source with other HVAC Controls
Save time by finding these boards at your local HVAC distributor.

System Diagnostics for Faster Servicing
7 segment or flashing diagnostic LED aids in quicker and accurate system troubleshooting.

Complete Cross Reference
Extensive and up-to-date cross reference by OEM model number.

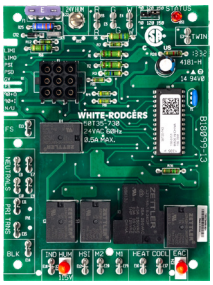
Goodman ComfortNet™ Communicating Systems
Controls to support legacy 24VAC or communicating system wiring.

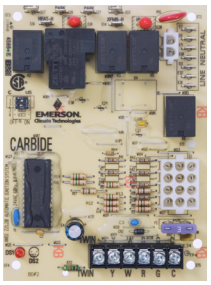
WHITE-RODGERS™

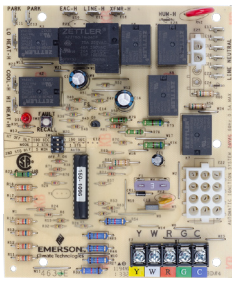
EMERSON™

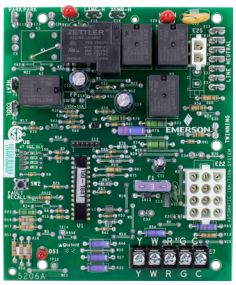
Goodman Integrated Furnace Controls

NEW



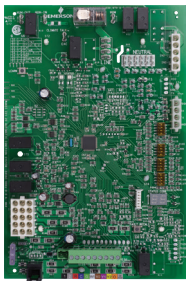


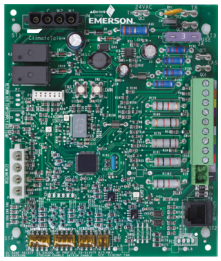


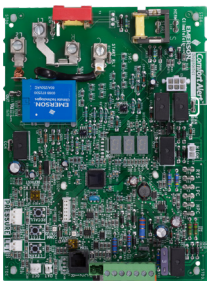


Models	50T35-743	50A55-743	50M56-743	50M56-707
Control Type	IFC Direct OEM Replacement Single Stage Systems PSC Blower Motor	IFC Direct OEM Replacement Single Stage Systems PSC Blower Motor	IFC Direct OEM Replacement Single Stage Systems PSC Blower Motor	IFC Direct OEM Replacement Single Stage Systems PSC Blower Motor
Blower Speeds	Heat, Cool	Heat, Cool	Lo Heat, Hi Heat, Cool	Heat, Cool
Key Differentiator	9-pin Main Connector	7s Ignitor Warm-up	2-stage Gas Valve	17s Ignitor Warm-up
Versatility	Replaces 9 Parts	Replaces 10 Parts	Replaces 9 Parts	Replaces 14 Parts
Harness Included	Yes	—	—	—
Diagnostics	System Diagnostic LED	System Diagnostic LED	System Diagnostic LED w/ Fault Recall	System Diagnostic LED w/ Fault Recall, Flame Test Pad
Mounting	Drop-in Replacement	Drop-in Replacement	Drop-in Replacement	Drop-in Replacement
Fuse	On Board	On Board	On Board	On Board
Ignitor Voltage	120V	120V	120V	120V
Dedicated Humidification (Optional)	120V or 24V	120V	120V	120V
Electronic Air Cleaner (Optional)	120V	120V	120V	120V
Heat-on-Delay	30s	30s	30s	30s
Heat-off-Delay	90/120/150s	90/120/150/180s	100/150s	100/150s
Cool-on-Delay	5s	5s	6s	6s
Cool-off-Delay	60s	45s	45s	45s

Goodman ComfortNet™ Communicating Systems







Models	50C51-707	48C21-707
Control Type	IFC Direct OEM Replacement Two-Stage, Variable Speed Blower Motor - Communicating or Legacy 24V Systems	Air Handler Direct OEM Replacement Two-Stage Electric Heat, Variable Speed Blower Motor - Communicating or Legacy 24V Systems
Versatility	Replaces 13 Parts	Replaces 13 Parts
Harness Included	—	—
Diagnostics	7 Segment System Diagnostic LED	7 Segment System Diagnostic LED
Mounting	Drop-in Replacement	Drop-in Replacement
Fuse	On Board	On Board
Ignitor Voltage	120V	—
Dedicated Humidification (Optional)	120V	—
Electronic Air Cleaner (Optional)	120V	—
Heat-on-Delay	30s	Os (electric)
Heat-off-Delay	90/120/150/180s	90s (electric)
Cool-on-Delay	5s (legacy)	5s (legacy)
Cool-off-Delay	45s (legacy)	60s (legacy)

Model	49S25-707
Control Type	AC or Heat Pump Direct OEM Replacement Two-Stage Compressor, PSC or ECM Outdoor Fan Motor - Communicating or Legacy 24V Systems
Versatility	Replaces 11 Parts
Harnesses Included	—
Diagnostics	7 Segment System Diagnostic LED
Mounting	Drop-in Replacement
Fuse	On Board
Compressor Short Cycle Delay	3min
Compressor Minimum Run Time	30s
Field Test Time	5s
RV Shift Delay	0/5/15/30s (comm) 30s (legacy)
Maximum Defrost Cycle Time	10min
Compressor Run Time Until Defrost	30/60/90/120 min
Outdoor Fan On/Off Delay	1s

Cross Reference Information

Control Number	50M56-707	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
ICM							
ICM280			X				
ICM286		X					
ICM2810	X						
Goodman							
0130F00005		X					
0130F00005S		X					
0130F00006				X			
0130F00006S				X			
B18099-06			X				
B18099-08			X				
B18099-13			X				
B1809913S			X				
PCB00109				X			
PCBBF110		X					
PCBBF110S		X					
PCBBF112		X					
PCBBF122				X			
PCBBF123		X					
PCBBF132S				X			
PCBBF140S	X						
PCBBF140	X						
PCBBF138S	X						
PCBBF138	X						
PCBBF136S	X						

Control Number	50M56-707	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
PCBBF136	X						
PCBBF135S	X						
PCBBF135	X						
PCBBF134S	X						
PCBBF134	X						
PCBBF162				X			
PCBBF162S				X			
PCBGR102							X
PCBGR102S							X
PCBHR103							X
PCBHR103S							X
PCBHR104							X
PCBHR104S							X
PCBJA101						X	
PCBJA101S						X	
PCBJA102						X	
PCBJA102S						X	
PCBJA103						X	
PCBJA103S						X	
PCBJA104						X	
PCBJA104S						X	
PCBKF101S					X		
PCBKF102					X		
PCBKF102S					X		
PCBKF103					X		
PCBKF105S					X		

Control Number	50M56-707	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
Trane							
CNT04664			X				
White-Rodgers							
48C21-289						X	
48C21-707						X	
48C21-290-01						X	
48C21-290-02						X	
48C21-290-04						X	
49C25-289-01							X
49J22-289							X
49J22-289-02							X
49K25-289-01							X
49S25-707							X
50A55-289		X					
50A55-743		X					
50C51-289-01					X		
50C51-289-02					X		
50C51-289-90					X		
50C51-290					X		
50C51-290-01					X		
50C51-290-02					X		
50C51-290-03					X		
50C51-707					X		
50M56-289				X			
50M56-290				X			
50M56-707	X						
50M56-743				X			
50T55-289		X					
50M56-291	X						
50M56-281	X						
50T35-730			X				
50T35-730-1			X				
50T35-743			X				

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Answers at your fingertips, with your smartphone or tablet.

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