

Fast and Easy Direct OEM Replacement for  
ComfortNet™ System Applications.

**D**  
OEM Direct

## Goodman ComfortNet™ Air Handler, Integrated Furnace and Outdoor Controls



**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



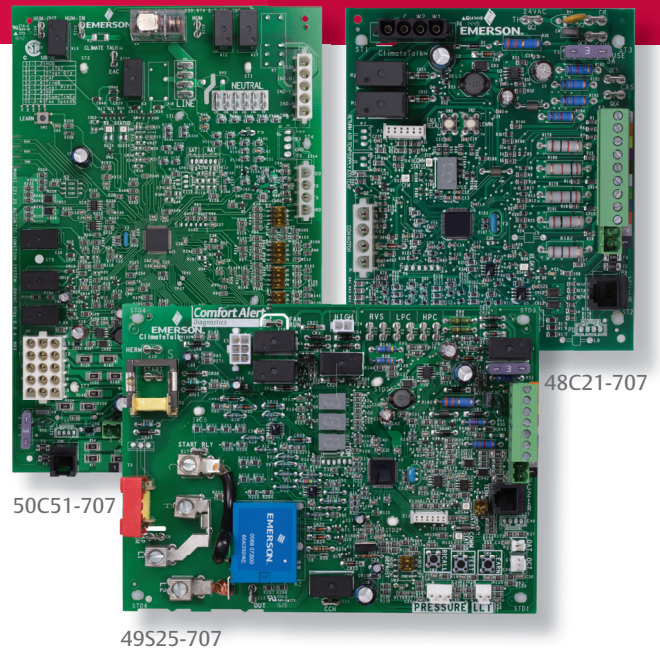
**System Diagnostics for Faster Servicing**  
7 segment diagnostic LED aids in quicker and accurate system troubleshooting



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



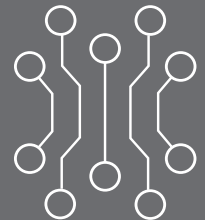
**Two Applications, One Outdoor Board**  
49S25-707 features simple cuttable jumper wire for Heat Pump or AC configuration



**1-Year Limited Warranty**

### DID YOU KNOW?

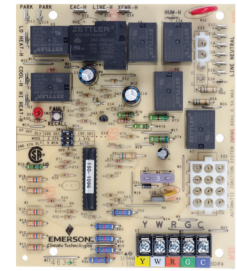
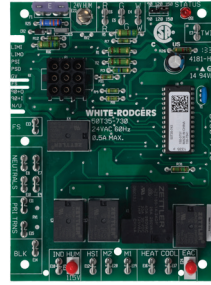
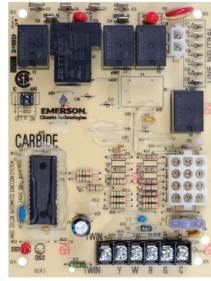
All Goodman ComfortNet™ controls support legacy 24VAC or communicating system wiring



**White-Rodgers™**

**EMERSON. CONSIDER IT SOLVED.™**

# Goodman Air Handler, Integrated Furnace and Outdoor Controls



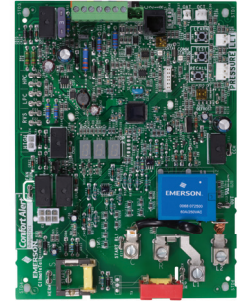
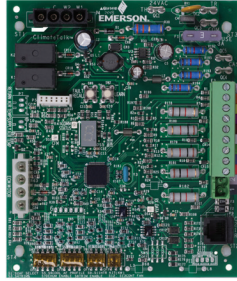
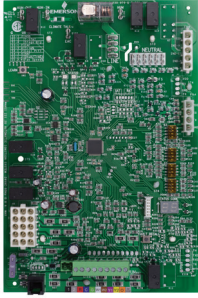
Models	50A55-743	50T35-743	50M56-743
Control Type	IFC Direct OEM Replacement Single Stage Systems	IFC Direct OEM Replacement Two Speed Blower Motor	IFC Direct OEM Replacement Multi-Speed Blower Motor
Versatility	Replaces 13 Controls	Replaces 7 Controls	Replaces 10 Controls
Harness Included	N/A	Yes	N/A
Diagnostics	System Diagnostic LED	System Diagnostic LED	System Diagnostic LED with Fault Recall
Mounting	Drop-in Replacement	Drop-in Replacement	Drop-in Replacement
Fuse	On Board	On Board	On Board
Ignitor Voltage	120V	120V	120V
Dedicated Humidification (Optional)	120V	120V or 24V	N/A
Electronic Air Cleaner (Optional)	120V	120V	120V
Heat-on-Delay	30s	30s	30s
Heat-off-Delay	90/120/150/180s	90/120/150s	100/150s
Cool-on-Delay	5s	5s	6s
Cool-off-Delay	45s	60s	45s

## Cross Reference

Control Number	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
<b>Goodman</b>						
0130F00005	X					
0130F00005S	X					
0130F00006			X			
0130F00006S			X			
50T35-730		X				
50T35-730-1		X				
50T35-743		X				
B18099-06		X				
B18099-08		X				
B18099-13		X				
B1809913S		X				
PCB00109			X			
PCBBF110	X					
PCBBF110S	X					
PCBBF112	X					

Control Number	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
<b>Goodman cont...</b>						
PCBBF122			X			
PCBBF123	X					
PCBBF132S			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	

Control Number	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
<b>Goodman cont...</b>						
PCBJA104					X	
PCBKF101S				X		
PCBKF102				X		
PCBKF102S				X		
PCBKF103				X		
<b>Trane</b>						
CNT04664		X				
<b>White-Rodgers</b>						
PCBKF105S				X		
48C21-289					X	
49C25-289-01						X
49J22-289						X
49J22-289-02						X



50C51-707	48C21-707	Model	49S25-707
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	Control Type	AC or Heat Pump Direct OEM Replacement Two-Stage Compressor, PSC or ECM Outdoor Fan Motor - Communicating or Legacy 24V Systems
Replaces 17 Controls	Replaces 12 Controls	Versatility	Replaces 15 Controls
N/A	N/A	Harnesses Included	N/A
7 Segment System Diagnostic LED	7 Segment System Diagnostic LED	Diagnostics	7 Segment System Diagnostic LED
Drop-in Replacement	Drop-in Replacement	Mounting	Drop-in Replacement
On Board	On Board	Fuse	On Board
120V	N/A	Compressor Short Cycle Delay	3min
120V	N/A	Compressor Minimum Run Time	30s
120V	N/A	Field Test Time	5s
30s	0s (electric)	RV Shift Delay	0/5/15/30s (comm) 30s (legacy)
90/120/150/180s	90s (electric)	Maximum Defrost Cycle Time	10min
5s (legacy)	5s (legacy)	Compressor Run Time Until Defrost	30/60/90/120 min
45s (legacy)	60s (legacy)	Outdoor Fan On/Off Delay	1s

Control Number	50A55-743	50T35-743	50M56-743	50C51-707	48C21-707	49S25-707
<b>White-Rodgers cont...</b>						
49K25-289-01						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			
50M56-743			X			
50T55-289	X					



Download the app for product information

**White-Rodgers™**

[emerson.com/white-rodgers](http://emerson.com/white-rodgers)



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