

**48C21-707**



**48C21-707 GOODMAN TWO-STAGE  
AIR HANDLER CONTROL**

**FEATURES**

- Two-stage electric heat
- Variable speed blower motor
- Communicating or legacy 24V systems
- 7 segment system diagnostic LED

**SPECIFICATIONS**

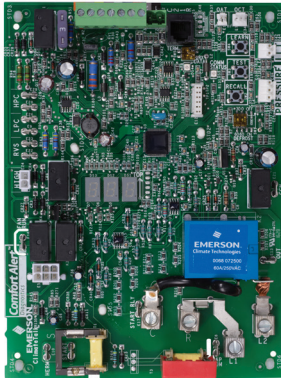
Relay ..... 0.200 amp @ 24 VAC, pilot duty  
 Input Voltage..... 24 VAC, 60 Hz  
 Maximum Input Current @ 25 VAC ..... 200 amp

**TECHNICAL HELP**

Model Number	Pre-Purge Time	Retries	Heat Delay-To-Fan-On (Low Heat)	Heat Delay-To-Fan-Off	Cool Delay-To-Fan-On	Cool Delay-To-Fan-Off	Auto Reset Time	Post Purge
48C21-707	-	-	-	-	0	30/60	-	-

**CROSS REFERENCE**

Goodman		White-Rodgers
PCBJA101	PCBJA103	48C21-289
PCBJA101S	PCBJA103S	48C21-290-01
PCBJA102	PCBJA104	48C21-290-02
PCBJA102S	PCBJA104S	48C21-290-04



**49S25-707**

**49S25-707 GOODMAN TWO-STAGE UNITARY  
HEAT PUMP / AC CONTROL**

**FEATURES**

- Two-stage applications
- PSC or ECM outdoor fan motor
- Cutable jumper configuration
- Communicating or legacy 24V systems
- 7 segment system diagnostic LED

**SPECIFICATIONS**

Operating Temperature..... -40° to 158°F (-40° to 70°C)  
 Humidity Range ..... 5% to 70% RH

Electrical Ratings @ 77°F (25°C)  
 Input Voltage..... 24 VAC, 60 Hz  
 Maximum Input Current @ 25 VAC ..... 200 amp

Relay Load Ratings  
 Relay ..... 33.6 RLA - 175 LRA @ 240VAC  
 Outdoor Fan Relay..... .2.8 RLA - 5.0 LRA @ 240 VAC  
 Crankcase Heater..... 0.5 A @ 240 VAC  
 Auxiliary Heat ..... 1 A @24VAC, pilot duty  
 Reversing Valve ..... 1 A @24VAC, pilot duty  
 0.5 A @24VAC, pilot duty



**TECHNICAL HELP**

Model Number	Compressor Short Cycle Delay	Compressor Min. Run Time	Cool Staging Time	Heat Staging Time	Max. Defrost Cycle Time	Compressor Run Time Until Defrost	Outdoor Fan Off Delay
49S25-707	180	30	5	5	600	*30/60/90/120 min	1

**CROSS REFERENCE**

Goodman		White-Rodgers
PCBGR102	PCBHR102S	49B22-289
PCBGR102S	PCBHR103	49C25-289-01
PCBGR103	PCBHR103S	49J22-289
PCBGR103S	PCBHR104	49J22-289-02
PCBHR102	PCBHR104S	49K25-289-01