

Terminal No.	Wire Color	Type	Description	Rating
L1 (Hot)	Black		Line voltage supply	120 VAC (+10%,-15%), 50/60 Hz
L2 (Neutral)	White		Line voltage common	
EARTH	Green	Ground		
S1	Red/Wht		Scanner Input	300 VAC, 3 mA
S2	Blu/Wht		Scanner Input	300 VAC, 3 mA
A	Red	Output	Alarm	120 VAC, 1 A pilot duty
M	Brown	Output	Combustion Blower	120 VAC, 9.8 FLA, 58.8 LRA
3	Yellow	Input	Operating Control	120 VAC, 1 mA
13	Orange	Input	Fuel Valve End Switch, Pre-Ignition Interlock	120 VAC, 1 mA
P	Gray	Input	Running Interlock	120 VAC, 1 mA
D	Wht/Brn	Input	Low Fire Start Switch	120 VAC, 1 mA
8	Wht/Gry	Input	Open Damper Proving Switch	120 VAC, 1 mA
W	Wht/Orn	Output	Delayed Main Valve	See Table
5	LT Blue	Output	Pilot Valve	See Table
6	Tan	Output	Ignition	See Table
7	Violet	Output	Main Fuel Valve	See Table
16	DK Blue	Input	Lag 1 Input	SEE BULLETIN BLZ-1001 FOR ALTERNATE USES
21	Pink	Input	Lag 2 Input	
LOW VOLTAGE INPUT / OUTPUT				
12	Wht/Yel	Output	Modulator Drive Positive 4-20 mA Output	
10	Wht/Red	Output	Modulator Drive Common (0 volts)	
X	Wht/Blue	Output	Temp/Pressure Source Voltage (28 Vdc nominal)	
11	Wht/Grn	Input	Temp/Pressure #1 (PCV) 4-20 mA Input	
22	Wht/Vio	Input	Temp/Pressure #2 (AUX 1) 4-20 mA Input	
23	Brn/Wht	Input	Temp/Pressure #3 (AUX 2) 4-20 mA Input	

Combination No.	Pilot	Main	Ignition	Delayed Valve
1	C	E	No Load	No Load
2	B	E	No Load	No Load
3	No Load	E	No Load	B
4	E	E	A	No Load
5	No Load	E	A	E
6	D	E	A	No Load
7	D	D	A	D
8	No Load	D	A	No Load
Composition of each Combination				
A	B	C	D	E
4.5 A Ignition	50 VA Pilot Duty plus 4.5 A Ignition	180 VA Ignition plus motor valves with: 660 VA inrush, 360 VA open, 250 VA hold.	2 A Pilot Duty	65 VA Pilot Duty plus motor valves with: 3850 VA inrush 700 VA open, 250 VA hold

MAXIMUM CONNECTED LOAD NOT TO EXCEED 2000 VA