

Terminal label	Description	G	O	Ratings	Burner Logix
L1 MAIN	Main power input supply			120 vac (+10% -15%), 50/60 Hz	L1
L2 MAIN	Main power input neutral supply				L2
FL1	L1 connections			120 vac, limited by selected fuse and overall system load	
PC2	Proof of closure connection				13
BM	Burner motor power			120 vac, 9.8 A.F.L., 58.8 ALR inrush	M
OP	Oil Pump motor power		√	120 vac, 9.8 A.F.L., 58.8 ALR inrush	
E3	High Fire switch			120 vac, 1mA	8
E2	Low Fire switch			120 vac, 1mA	D
A2 to A1	Air flow switch input, gas selected	√		120 vac, 1mA	3-P
A3 to A1	Air flow switch input, oil selected		√	120 vac, 1mA	
GL1	Gas Limit string connection input	√		120 vac, 1mA	
OL1	Oil Limit string connection input		√	120 vac, 1mA	
CL1	Common limit string - DEMAND LED			120 vac, 1mA	3
GIG	Gas ignitor output	√			5
OIG	Oil ignitor output		√		5
PV1	Gas fuel pilot valve	√			6
PV2	Oil fuel pilot valve		√	Refer to BurnerLogix bulletin BL-1001 for fuel valve and ignitor load ratings.	6
GV1	Main gas valve power	√			7
OV1	Main Oil valve power		√		7
DS	Direct spark oil valve power, connect to PV2 when direct spark oil		√		7
	IF GAS SLCT and OIL SLCT are used, remove J1 and J2				
GAS SLCT	External gas fuel select input			120 vac, 40mA	
OIL SLCT	External oil fuel select input			120 vac, 40mA	
GAS OUT	GAS/AUTO fuel select switch output				
OIL OUT	OIL fuel select switch output				
10	Modulator relay common				10
X / B2	Modulator high fire			120 vac, 75 VA	X
12 / W4	Modulator low fire			120 vac, 75 VA	12
W3	Connects to W4 through J3				
R3	Modulator auto			120 vac, 75 VA	11
R2	Connect to R3 though J2				
B / B1	Inputs for modulation controller, Connects to B2 / X through J5			Controlled by AUTO / MAN modulation switch	
R / R1	Inputs for modulation controller				
W / W1	Inputs for modulation controller				
+ / W2					
ALM	Flame safeguard alarm output			120 vac, 1A pilot duty	A
XLAMP	External alarm LED input			120 vac, 10 mA	
PILOT HOLD	Pilot Hold, Revert to Pilot input (YP138)			120 vac, 1mA	16
REMOTE RESET	Flame Safeguard lockout reset input			120 vac, 1mA	22
START INPUT	Start input, forced low fire input (YP138)			120 vac, 1mA	21