

VERSION 2

PROLON M2000
1-877-977-5566
proloncontrols.com

INT
DI1 DI2 DI3 DI4 DI5 DI6 DI7 DI8
1 2 3 4 5 6 7 8
ON OFF
1-2-4-8-16-32-64 B

☐ INTSND
☐ INTREC
RS485 INT
AUTO/OFF/HAND

AO 3 ☐
AO 2 ☐
AO 1 ☐
DO 5 ☐
DO 4 ☐
DO 3 ☐
DO 2 ☐
DO 1 ☐

PI-M2000-
Ver. _____
Address _____
Project _____

RS485 NET
NETSND ☐
NETREC ☐
NET ☐
DI1 DI2 DI3 DI4 DI5 DI6 DI7 DI8
1 2 3 4 5 6 7 8
ON OFF
1-2-4-8-16-32-64 B

24VAC ☐
5VDC ☐
HBEAT ☐
STAT ☐

3A 250V Cartridge Fuse

Legend
R1 - R2 - R3 - R4 - R5 : Single pole, double throw relays
R6 - R7 - R8 - R9 - R10
XF1 - XF2: Interconnection carrying 24VAC

ALL TERMINALS: Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5Nm

Terminal	Function	Ratings
	GROUND	N/A
1	Supply Input Common	N/A
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz
3	Boiler Stage 1 Output	24VAC, 300mA
4	Boiler Stage 2 Output	24VAC, 300mA
5	Boiler Stage 3 Output	24VAC, 300mA
6	Boiler Stage 4 Output	24VAC, 300mA
7	Pump 1 (BLR) Output	24VAC, 300mA
8	Pump 2 (BLR) Output	0-10VDC, 40mA
9	Modulating Boiler Output	0-10VDC, 40mA
10	24VAC Supply	24VAC, 8.5VA
11	Valve or Backup Modulating Boiler	0-10VDC, 40mA
12	24VAC Supply	24VAC, 5VA
13	24VAC Supply	24VAC, 0.03A
14	N/A	N/A
15	24VAC Supply	24VAC, 6.7VA
16	N/A	N/A
17	Dry Contact to Disable Boiler Call	N/A
18	Dry Contact for Max Heat Setpoint	N/A
19	Dry Contact for Proof of Pump 2 (BLR)	N/A
20	Dry Contact for Proof of Pump 1 (BLR)	N/A
21	BLR Return Water Temperature Thermistor (10K Type 3)	N/A
22	BLR Supply Water Temperature Thermistor (10K Type 3)	N/A
23	BLR Outside Air Temperature Thermistor (10K Type 3)	N/A
47 (+)	M2000 RS485 INT A (+)	N/A
48 (-)	M2000 RS485 INT B (-)	N/A
49 (A)	M2000 RS485 NET A (+)	N/A
50 (B)	M2000 RS485 NET B (-)	N/A

Terminal	Function	Ratings
24	Supply Input Common	N/A
25	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
26	Digital Output 1	24VAC, 300mA
27	Digital Output 2	24VAC, 300mA
28	Digital Output 3	24VAC, 300mA
29	Digital Output 4	24VAC, 300mA
30	Digital Output 5	24VAC, 300mA
31	Analog Output 1	0-10VDC, 40mA
32	Analog Output 2	0-10VDC, 40mA
33	Power Supply 24VAC	24VAC, 8.5VA
34	Analog Output 3	0-10VDC, 40mA
35	Power Supply 24VAC	24VAC, 5VA
36	Power Supply 24VAC	24VAC, 0.03A
37	Analog Input 9	N/A
38	Power Supply 24VAC	24VAC, 6.7VA
39	Analog Input 8	5VDC, 20mA
40	Analog Input 7	N/A
41	Analog Input 6	N/A
42	Analog Input 5	N/A
43	Analog Input 4	N/A
44	Analog Input 3	N/A
45	Analog Input 2	N/A
46	Analog Input 1	N/A
51 (+)	M2000 RS485 INT A (+)	N/A
52 (-)	M2000 RS485 INT B (-)	N/A
53 (A)	M2000 RS485 NET A (+)	N/A
54 (B)	M2000 RS485 NET B (-)	N/A
C	COMMON	N/A