

- Ground Bar
- B High Voltage AC Fuse Block
- **©** AC to DC Transformer (Power Supply)
- 12V Fuse Block
- **□** Input/Output Controller
- **GPS Receiver and RTK Radio**
- **© CAN Terminating Resistors**
- Relays
- Screw terminals
- **ID** Tags

The base station box comes standard with a 120 V AC single phase power supply. The electrician should bring in standard 120 V AC power consisting of 3 wires: line, neutral, and ground going to appropriate locations in the AC fuse block and ground bar.

A 3-phase 480V power supply option is available upon request by contacting your dealer or 360 Yield Center product support at 309-300-3120.

AC fuses are provided to ensure the power supply is fuse protected.

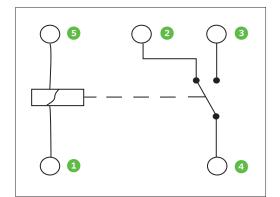
A ground wire is already installed from the power supply to the ground bar. It is the electrician's responsibility to connect the ground to the 360 base station ground bar.



Starting from the left the relays are Output 1, Output 2, Output 3, Output 4, Output 5, Output 6.

Example uses for these relays include controlling a booster or pump controller to trigger it on remotely or controlling a valve to open and close.

TERMINAL				
PRESSURE 1  2	INPUT	TERMINAL	FUNCTION	RANGE
3 SIGNAL 0 - 5VDC 4 GROUND 0V PRESSURE 2 5 POWER +5VDC 6 SIGNAL 0 - 5VDC 7 GROUND 0V PRESSURE 3 8 POWER +5VDC 9 SIGNAL 0 - 5 VDC 9 SIGNAL 0 - 5 VDC 10 GROUND 0V PRESSURE 4 11 POWER +5VDC 12 SIGNAL 0 - 5 VDC 12 SIGNAL 0 - 5VDC 14 SIGNAL 0 - 5VDC 15 GROUND 0V 14 SIGNAL 0 - 5VDC 16 SIGNAL 0 - 5VDC 17 GROUND 0V 18 SIGNAL 0 - 5VDC 19 GROUND 0V 19 GROUND 0V 10 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 10 FLOW 2 16 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 11 GROUND 0V 12 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 13 GROUND 0V 14 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 15 GROUND 0V 16 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 17 GROUND 0V 18 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 19 GROUND 0V 19 GROUND 0V 20 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 21 GROUND 0V 22 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 23 GROUND 0V 24 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 25 CAN LOW 500kbps 26 CAN HIGH 27 II/O CONTROLLER BASE: 1 (15KOHM) REMOTE A: 3 (5.9KOHM)	PRESSURE 1		GROUND	OV
## GROUND OV  PRESSURE 2   5		2	POWER	+5VDC
PRESSURE 2 5 POWER +5VDC 6 SIGNAL 0 - 5VDC 7 GROUND 0V PRESSURE 3 POWER +5VDC 9 SIGNAL 0 - 5 VDC 10 GROUND 0V PRESSURE 4 11 POWER +5VDC 12 SIGNAL 0 - 5 VDC 13 GROUND 0V 14 SIGNAL 0 - 5VDC 15 GROUND 0V 14 SIGNAL 0 - 5VDC 16 SIGNAL 0 - 5VDC 17 GROUND 0V 18 SIGNAL 0 - 5VDC 19 GROUND 0V 19 GROUND 0V 10 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 10 FLOW 2 16 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 11 GROUND 0V 12 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 13 GROUND 0V 14 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 15 GROUND 0V 16 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 17 GROUND 0V 18 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 19 GROUND 0V 19 GROUND 0V 20 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 21 GROUND 0V 22 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 23 GROUND 0V 24 SIGNAL 0 - 5VDC MAX FREQ 2000HZ 25 CAN LOW 500kbps 26 CAN HIGH 27 IJO CONTROLLER BASE: 1 (15KOHM) REMOTE A: 3 (5.9KOHM)		3	SIGNAL	0 - 5VDC
6	PRESSURE 2	4	GROUND	OV
7		5	POWER	+5VDC
PRESSURE 3  8		6	SIGNAL	0 - 5VDC
9 SIGNAL 0 - 5 VDC  10 GROUND 0V  PRESSURE 4 11 POWER +5VDC  12 SIGNAL 0 - 5 VDC  13 GROUND 0V  FLOW 1 14 SIGNAL 0/5 VDC MAX FREQ 2000HZ  14 SIGNAL 0/5 VDC MAX FREQ 2000HZ  15 GROUND 0V  16 SIGNAL 0/5 VDC MAX FREQ 2000HZ  17 GROUND 0V  FLOW 3 18 SIGNAL 0/5 VDC MAX FREQ 2000HZ  19 GROUND 0V  FLOW 4 20 SIGNAL 0/5 VDC MAX FREQ 2000HZ  19 GROUND 0V  51 GROUND 0V  20 SIGNAL 0/5 VDC MAX FREQ 2000HZ  21 GROUND 0V  22 SIGNAL 0/5 VDC MAX FREQ 2000HZ  23 GROUND 0V  51 GROUND 0V  CAN EXPANSION 24 SIGNAL 0/5 VDC MAX FREQ 2000HZ  CAN EXPANSION 25 CAN LOW 500kbps  CAN HIGH BASE: 1 (15 KOHM) REMOTE A: 3 (5.9 KOHM)	PRESSURE 3	7	GROUND	ov
10		8	POWER	+5VDC
PRESSURE 4  11		9	SIGNAL	0 - 5 VDC
12   SIGNAL   0 - 5VDC	PRESSURE 4	10	GROUND	OV
13		11	POWER	+5VDC
FLOW 1		12	SIGNAL	0 - 5VDC
14 SIGNAL 0/5VDC MAX FREQ 2000HZ FLOW 2 16 SIGNAL 0/5VDC MAX FREQ 2000HZ 17 GROUND 0V 18 SIGNAL 0/5VDC MAX FREQ 2000HZ 19 GROUND 0V 20 SIGNAL 0/5VDC MAX FREQ 2000HZ FLOW 4 21 GROUND 0V 22 SIGNAL 0/5VDC MAX FREQ 2000HZ FLOW 5 22 SIGNAL 0/5VDC MAX FREQ 2000HZ FLOW 6 23 GROUND 0V 24 SIGNAL 0/5VDC MAX FREQ 2000HZ CAN EXPANSION 25 CAN LOW 500kbps  CAN EXPANSION 26 CAN HIGH 27 I/O CONTROLLER REMOTE A: 3 (5.9KOHM)	FLOW 1	13	GROUND	OV
FLOW 2   16		14	SIGNAL	0/5VDC MAX FREQ 2000HZ
16	FLOW 2	15	GROUND	ov
The following controller   Flow 3   The following controller   Flow 4   The following controller   Flow 4   The following controller   Flow 5   The following controller   Flow 6   The following controller   Flow 6   The following controller   The following contr		16	SIGNAL	0/5VDC MAX FREQ 2000HZ
18	FLOW 3	17	GROUND	OV
FLOW 4   20   SIGNAL   0/5VDC MAX FREQ 2000HZ		18	SIGNAL	0/5VDC MAX FREQ 2000HZ
20   SIGNAL   0/5VDC MAX FREQ 2000HZ	FLOW 4	19	GROUND	OV
## FLOW 5    22		20	SIGNAL	0/5VDC MAX FREQ 2000HZ
22   SIGNAL   0/5VDC MAX FREQ 2000HZ	FLOW 5	21	GROUND	OV
FLOW 6  24 SIGNAL 0/5VDC MAX FREQ 2000HZ  25 CAN LOW  26 CAN HIGH  27  1/0 CONTROLLER REMOTE A: 3 (5.9KOHM)		22	SIGNAL	0/5VDC MAX FREQ 2000HZ
24 SIGNAL 0/5VDC MAX FREQ 2000HZ 25 CAN LOW 26 CAN HIGH  27   J/O CONTROLLER   BASE: 1 (15KOHM)   REMOTE A: 3 (5.9KOHM)	FLOW 6	23	GROUND	OV
26		24	SIGNAL	0/5VDC MAX FREQ 2000HZ
26 CAN HIGH  27 BASE: 1 (15KOHM)  1/O CONTROLLER REMOTE A: 3 (5.9KOHM)	CAN EXPANSION		CAN LOW	500kbps
I/O CONTROLLER REMOTE A: 3 (5.9KOHM)		26	CAN HIGH	
	ID TAGS	27	I/O CONTROLLER	REMOTE A: 3 (5.9KOHM)
		28		
29 BASE: 2 (8.66KOHM)		29	GPS DEVICE	BASE: 2 (8.66KOHM) REMOTE A: 5 (3.4KOHM)
30 GPS DEVICE REMOTE A: 5 (3.4KOHM) REMOTE B: 7 (2.21KOHM)		30		



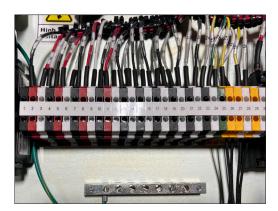
360 provides the wiring to control the relays. The installer needs to provide the wires to signal the pump controllers or valves.

Terminals 1 and 5 switch the relay output.

Terminal 2 is NORMALLY CLOSED.

Terminal 3 is NORMALLY OPEN.

Terminal 4 is COMMON.



Terminals 1-12 (Black-Red-White Pattern) are analog inputs used for pressure sensors. The first three starting from the left are Pressure 1, the next three are Pressure 2, followed by Pressure 3 and Pressure 4.

Terminals 13-24 (Black-White Pattern) are digital inputs used for flow meters. Starting from the left they are Flow 1, Flow 2, Flow 3, Flow 4, Flow 5 and Flow 6.

Terminals 25-26 are for adding CAN devices.

Terminals 27-30 are for connecting ID tags.

Wire color may vary.





## Normally Open Example:

YELLOW = COMMON, Terminal 4

ORANGE = NORMALLY OPEN, Terminal 3

Normally Closed Example:

YELLOW = COMMON, Terminal 4

BLUE = NORMALLY CLOSED, Terminal 2





## All pressure sensors (analog) will have three wires:

BLACK = analog ground

RED = 5V power

WHITE = signal wire

Example: Pressure sensors/transducers will be wired in this manner.

## All flow sensors (digital) will have two wires:

BLACK = digital ground

WHITE = signal wire

Example: Flow meters with a pulse based output would be wired in this manner.