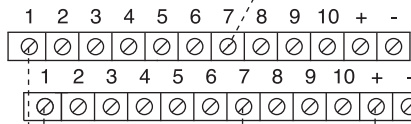


# OmniSite

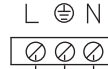
## Wireless Remote Monitoring Device XR50 Interface Connections



Field Terminal Strips - Any signal 12 VDC/VAC through 120 VDC/VAC. No polarity required. Typical for Inputs 1-10.

**NOTE:** Different voltages can be applied to different input channels as needed (i.e. don't all have to be the same voltage)

Note: Field Installed Jumpers

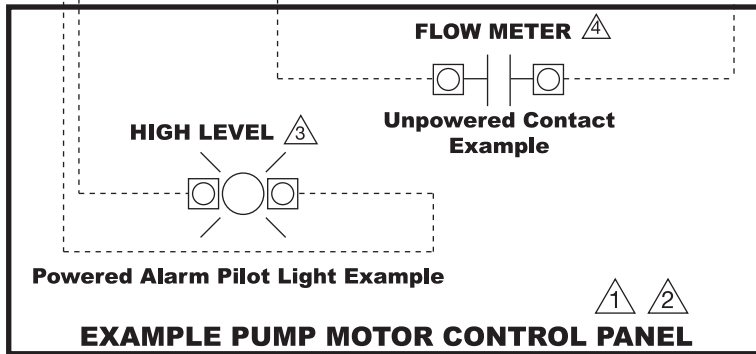


120 VAC Input Power 0.3 amps max  
\*For 12 VDC powered units, please contact Omnisite tech support

## Ask About the OmniAdvantage Plan

- Lifetime Product Warranty
- Lifetime Radio Upgrades
- Free Software Upgrades
- Advanced Features on GuardDog 2 Mobile App
- GuardDog Setup & Priority Support
- Professional Training

**Contact:** (317)-885-6330 X4



**Enter Pump GPM Rating and Well Dimensions** - You must provide the parameters below and enter the information into the XR50 if you want the XR50 to calculate station flow and pump GPM rate.

### Pump GPM Ratings

Pump 1 GPM Rating | 0-9999

Pump 2 GPM Rating | 0-9999

Pump 3 GPM Rating | 0-9999

### Well Dimensions

Stop-Lead Distance | 0-999 FT

### PICK YOUR WELL SHAPE

#### Rectangle

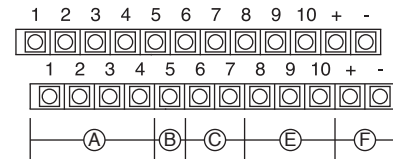
Width FT

Length FT

#### Cylinder

Diameter FT

## XR50 Universal Input Board



- (A) Dedicated alarm inputs (Inputs 1, 2, 3, 4)
- (B) User selectable alarm input or rain gauge (Input 5)
- (C) User selectable alarm input or pulse counter (Inputs 6, 7)
- (E) Reserved for pump 1, 2, 3 runtime accumulation (Inputs 8, 9, 10)
- (F) Battery backed 12 VDC power supply (+, -)

Note your input settings in the table below for reference

### Input List

Input	Description	Normal State:		Alarm Delay
		OFF	ON	
1				
2				
3				
4				
5				
6				
7				
8	PUMP 1 RUNTIME	X		X
9	PUMP 2 RUNTIME	X		X
10	PUMP 3 RUNTIME	X		X

## Notes

- This drawing is to be used for general information only. The control system supplier must determine proper connections to the OmniSite panel for each application.
- Dashed lines indicate external field wiring by contractor.
- The XR50 can accept on/off voltages or contact closures only. This example shows connection to the high level alarm pilot light. The recommended procedure is to connect OmniSite field input terminals in parallel with alarm pilot lights as shown for fast, easy connections. This can be repeated for any other alarm pilot lights to be mounted on other inputs.
- The XR50 can accept on/off voltages or contact closures only. This example shows connections to a flow meter pulse contact. If you are monitoring unpowered, dry contacts, you must use a voltage source to power the contacts so the OmniSite unit can "see" them change state. The example shows using the onboard 12 VDC OmniSite power supply to power any number of dry contacts available.  
**CAUTION** - If you accidentally connect the onboard OmniSite 12 VDC power supply to contacts that have 120 VAC present, you WILL cause non-warranty product damage.

## SAFETY FIRST:

Always power off control panel and OmniSite unit when making wiring connections to avoid electrocution or accidental damage.



## Typical Wiring Diagram for an XR50 Monitoring Device to a Pump Control Panel

**OmniSite**

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