





XR50 Remote Telemetry Unit

The OmniSite XR50 is perfect for monitoring digital alarm inputs and analyzing trends at a lift station. With the ability to record pump runtimes, GPMs, pump cycles, and more, the XR50 is the advanced solution for monitoring both critical and remote applications. Your connected equipment is completely monitored over the Internet, and comes with our FREE GuardDog software. If an abnormal condition occurs, alarms are sent by email, text message, or voice call to any location.

Applications

The OmniSite XR50 is applicable to pump stations, lift stations, plus other applications in need of trend analysis. The XR50 is a flexible, easy to install and configure, powerful equipment alarm monitor. This single integrated device eliminates the need for multiple PLCs, radios, software, computers modems, relays and other accessories. The complete packaged unit can be installed in under four hours, requiring only basic wiring knowledge. The XR50 includes OmniSite's "plug and play" GuardDog web interface which eliminates the need for custom programming.

Features

- Microprocessor based alarm monitor
- Pulse counter totalization feature
- Daily reports of accumulated equipment runtime
- True SCADA replacement at fraction of cost/complexity
- Cellular coverage works where private radio systems cannot reach
- Comes with the OmniSite Modular Radio (OSMR)

Order Information

Part Number: U-XR50 See page 32 for optional device modifications.

Please Note: This device comes standard as a panel mount model. Panel mount models require an external antenna. Please see options below.

High Gain Directional Antenna (page 36) with the correct length of coax cable (page 38). Phantom Antenna (page 37) with coax cable (page 38).

If you order this device as an enclosure mounted model, it comes standard with an internal antenna. However, the above external antenna options are available as upgrades.

OmniSite



Specifications

Input Power 120VAC +/-10% @ 0.3A max; 12VDC Version: 12VDC +/-10% @ 2.1A max

Cellular Radio 4G LTE CAT-1/CAT-M1, OSRM

Access Key Smart security key to identify personnel on site

Terminal Blocks Removable style accepts #14-18 AWG solid or stranded wire

Operating Temp/ Humidity -20/150 Deg F / 0-90% RH Non-condensing

Backup Battery Internal 12VDC Sealed Lead Acid, 800mAH, Rechargeable

Dimensions 9.0"H x 9.5"W x "3.5D (dimensions do not include an antenna attached)

SD Card Format FAT 16

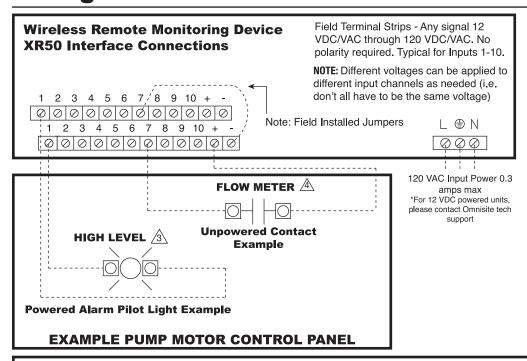
LCD Display Backlit 2 x 16 lines

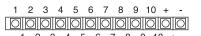
Keypad (4) navigation buttons

Digital Inputs (10) Inputs accept 12 VAC/VDC – 120 VAC/VDC

Protections US Patent #7,228,129 and #7,778,633

Wiring





XR50 Universal Input Board

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