



Features:

- Up-to-the-minute monitoring of remote equipment
- Fully configurable alarms and warnings that can be delivered by email and/or SMS (text) messages sent directly to your cellular phone.
- Ethernet, Cellular Modem, 56K Dial-up modem, or Wi-Fi options for Internet connectivity
- Base system includes:
 - (4) Dry Contacts Inputs
 - (1) 0-10VDC Input
 - (1) 4-20mA Input
 - (1) Tamper Detection Input (can be configured as additional Dry Contact Input if tamper detection is not required)
 - (2) Remotely controlled relays drivers (relays are optional)
- Spring loaded terminal blocks for easy field installation
- Remote Software Updates
- Padlock ready latch
- FCC/UL/CSA approvals

Applications:

- Water Treatment Facilities
- Environmental Monitoring
- Commercial Equipment Monitoring
- Utility Substations
- Homeland Security Applications

Description:

The Phoenix Sentry Monitor is a Linux based device that monitors and collects data from remote equipment and sensors. This information is transferred to the Phoenix Sentry Server via the Internet. Each Phoenix Sentry Monitor is equipped with multiple I/O connections. The Phoenix Sentry Monitor's I/O capabilities can also be greatly expanded through the use of up to five expansion modules. All signals monitored by the Phoenix Sentry system can be configured to create alarms that are indicated on-site using relays, or by email and SMS text messaging.

Communication from the Phoenix Sentry Monitor to the Phoenix Sentry Server is provided by multiple options. The Phoenix Sentry Monitor supports Ethernet with a RJ-45 connector, 56k Dial-up modems, Wi-Fi, and cellular modems that are compatible with all major cellular providers in the United States and Canada. A Verizon Wireless based cellular modem is included in the base model of the Phoenix Sentry Monitor.

All Phoenix Sentry Monitor features are FULLY CONFIGURABLE from the Phoenix Sentry Server's web based interface so you're unlikely to need to go back out into the field to make changes.



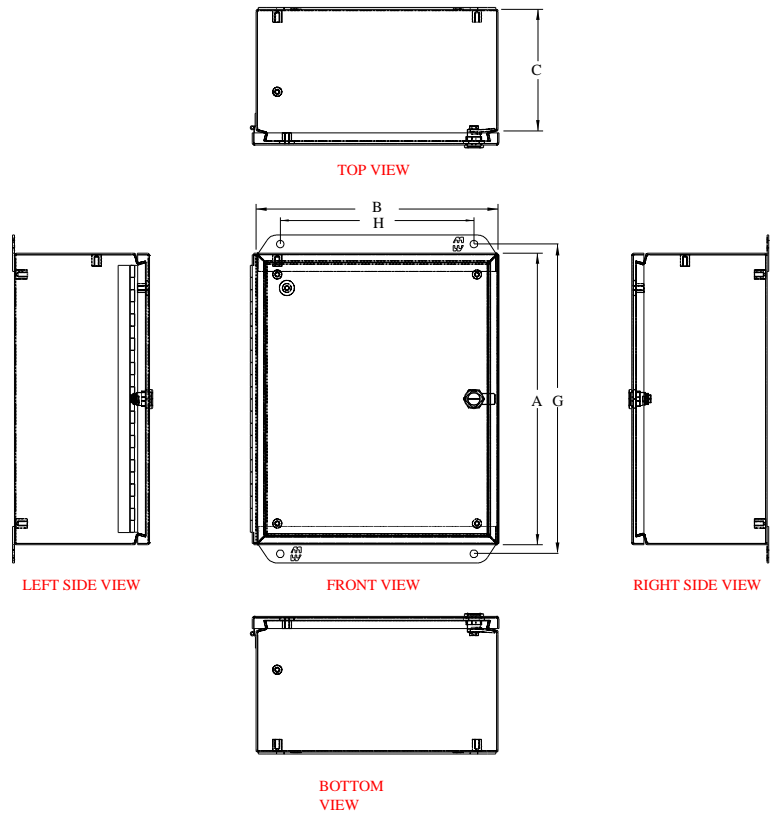
Phoenix Sentry Monitor installed at a wastewater lift station



Specifications:

AC Input Voltage Range:
90 - 264VAC (with AC/DC Power Supply) 12 - 24VAC (w/o AC/DC Power Supply)
Input Frequency:
47 - 63Hz
DC Input Voltage Range:
120 - 370 VDC (with AC/DC Power Supply) 15 - 36 VDC (w/o AC/DC Power Supply)
Overcurrent Protection:
110 - 160%
Overvoltage Protection:
120 - 145%
Current:
1.9 Amps (maximum w/ cellular modem)
Operating Temperature:
-25 - +71°C
Storage Temperature:
-25 - +85°C
Operating Humidity:
20 - 95% RH (non condensing)
Weight (Typ):
19.0 lbs.
Size (WxHxD):
12 x 14 x 6"
Enclosure:
*NEMA 4/12/13 (4X option available)
*NEMA rating is ultimately dependent upon installation.
FSI Systems, Inc. reserve the right to make corrections and other changes to its products and services at any time and to discontinue any product or service without notice.

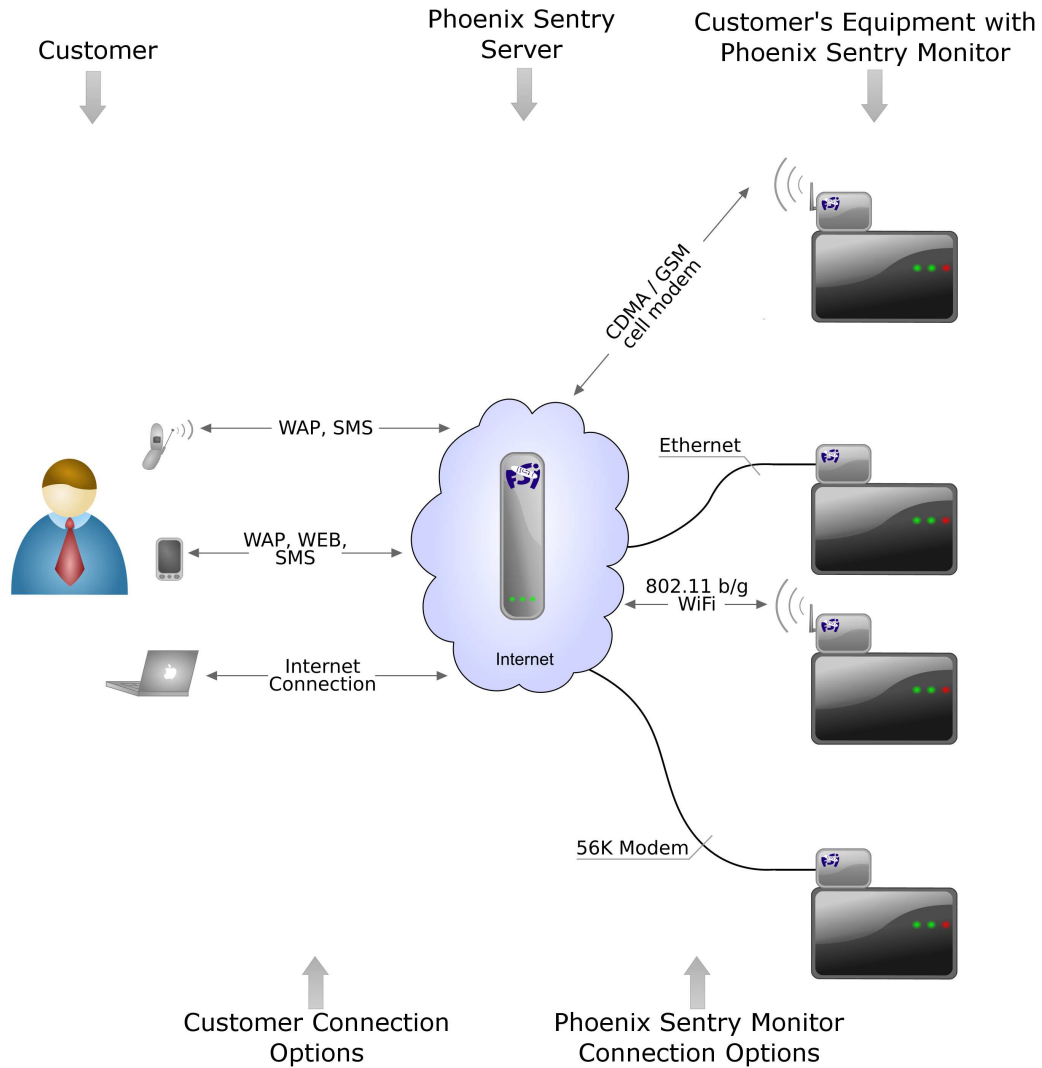
Mechanical Dimensions:



A	B	C	G	H
14.00"	12.00"	6.00"	14.75"	10.00"

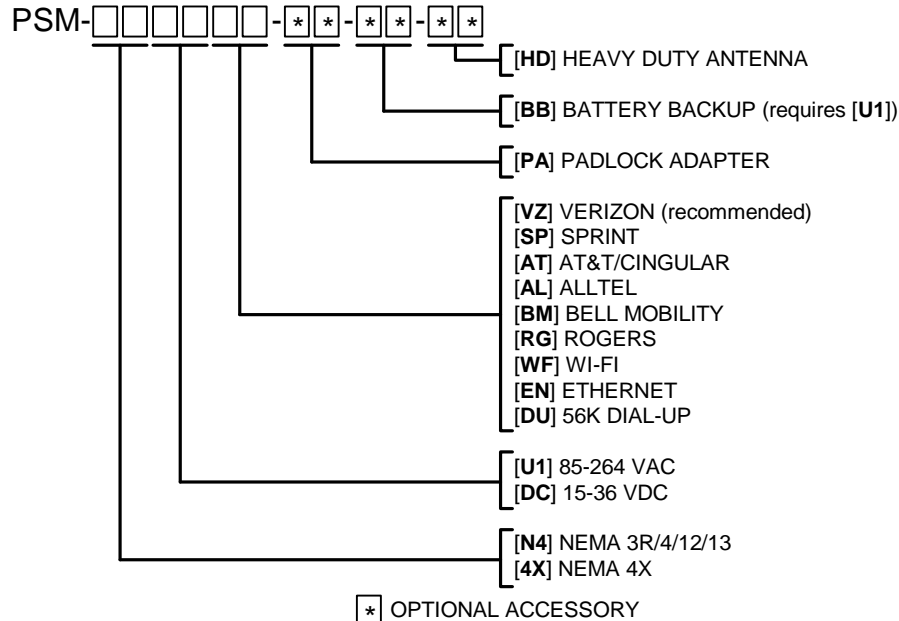


Phoenix System Block Diagram:





Ordering Information:



Optional Expansion Modules (ordered separately):

- **PMM-DIGMOD-8** - (8) Dry Contact/Open Collector Digital Input Module
 Provides 8 additional digital inputs to a Phoenix Sentry Monitor. Includes one input that can be configured as a timer input for pulse counting or duty cycle measurements.
- **PMM-420MOD-4** - (4) 4-20mA Analog Input Module
 Provides 4 additional 4-20mA analog inputs to a Phoenix Sentry Monitor.
- **PMM-010MOD-4** - (4) 0-10VDC Analog Input Module
 Provides 4 additional 0-10VDC analog inputs to a Phoenix Sentry Monitor.
- **PMM-DUALMOD-8** - (4) 4-20mA & (4) 0-10VDC Analog Input Module
 Provides 4 4-20mA and 4 0-10VDC analog inputs to a Phoenix Sentry Monitor.
- **Contact FSI Systems, Inc. about custom modules**
 FSI Systems, Inc. has over 20 years of extensive design experience that allows us to custom design an expansion module to meet almost any requirements you may have for equipment monitoring.