

The **XR9-TR1** is a battery-operated thermistor with a microprocessor-controlled 900 MHz radio transmitter. A tamper-resistant switch allows the user to activate or deactivate the sensor. The XR9-TR1 remains in an inactive state unless transmitting data to a remote server. User customization allows for setting transmit intervals.

### FEATURES

- Battery life of approximately 2 years
- Max transmission range of 1 mile (LOS)
- Works in conjunction with up to 99 other sensors
- Low-cost remote sensing, monitoring, data collection, reporting, and automatic e-mail notification of sensor values



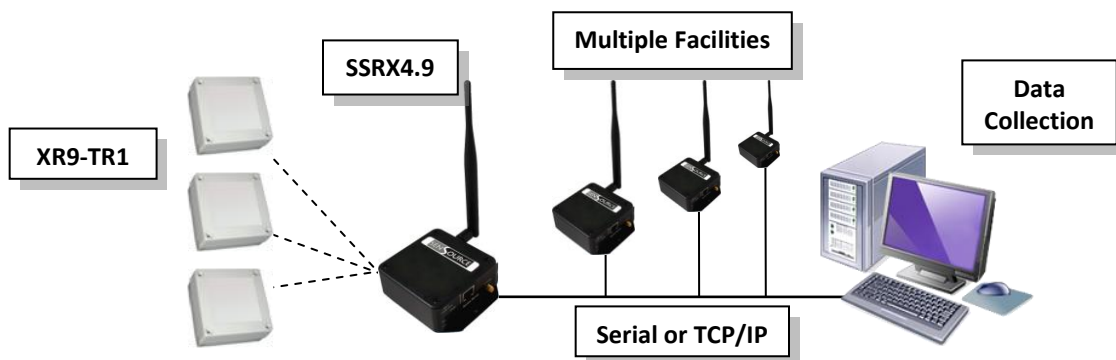
### SPECIFICATIONS

	TYP	MIN	MAX	UNITS
<b>Transmission Rate</b>	-	5	-	Minutes
<b>Transmission Range (Indoor/Outdoor)</b>	600	1300 ( <i>in</i> )	5280 ( <i>LOS</i> )	Feet
<b>Battery Life (Active/Inactive)</b>	2 ( <i>active</i> )	-	10 ( <i>inactive</i> )	Years
<b>Storage/Operating Temperature</b>	-	-40	185	°F
<b>Transmitter</b>	900	-	-	MHz
<b>Humidity (non-condensing)</b>	-	0	90	%
<b>Battery</b>	3.6v Lithium	-	-	-
<b>Weight</b>	4.7	-	-	Ounces
<b>Dimensions</b>	3.9 W x 3.9 L x 2.0 D			Inches

### ORDERING

- |                                                                                                                                                                                                                                               |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• 900 MHz Thermistor Transmitter</li> <li>• RF Data Receiver Sensor Server</li> <li>• Remote Monitoring, Data Collection, Reporting Software</li> <li>• Data Collection, Reporting Software</li> </ul> | <p><b>XR9-TR1</b><br/><b>PCW-SSRX4.9</b><br/><b>Server Manager</b><br/><b>VEA</b></p> |
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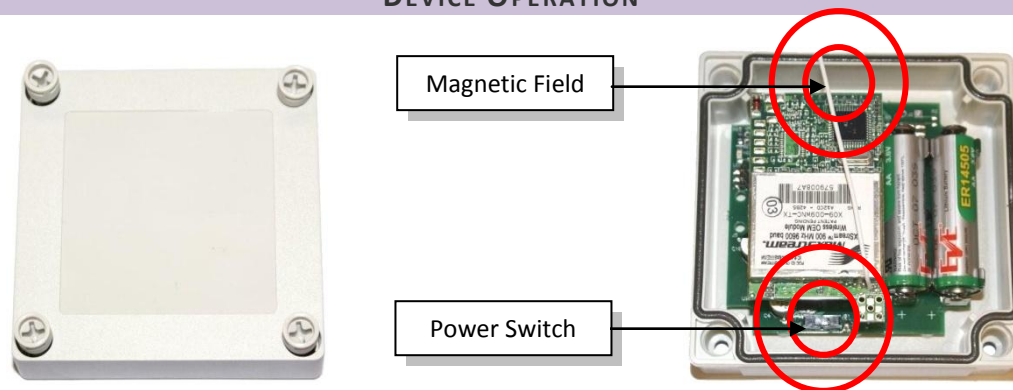
### CONFIGURATION



## SETUP

- If using **Server Manager**, install the software **prior** to installing the XR9-TR1 and/or configuring the Sensor Server.
  - Refer to the installation CD and associated software help files for more information.
- If monitoring servers via a web browser, establish a network connection with the Sensor Server using an Ethernet connection.
  - Refer to the manual/quick-start guide for more information on configuring the Sensor Server.
- Install and configure the Sensor Server (PCW-SSRX4.9) **prior** to installing the XR9-TR1.
  - Refer to the manual/quick-start guide for more information on configuring the Sensor Server.
  - **Server Manager:** the Sensor Server **must** be placed in **Auto Add Mode** or **Service Mode** prior to activating the sensor.
    - Use Server Manager to configure hardware, monitor sensors, download data, generate reports, and automatically notify of sensor values.
  - **Web Browser:** once configured, by typing the Sensor Server's IP address into the address bar of the browser, the Sensor Server's status and current value of all remote sensors will display on the page.

## DEVICE OPERATION



## ON/OFF

- When shipped, the device is off, and will not transmit until the power is turned on.
- To turn on the unit, unscrew the top enclosure screws, and then slide the black power switch to the left (away from batteries).

## SERVICE SWITCH

- When the service switch is activated, by holding a magnet temporarily to the **SERVICE** label on the backside of the board, the device will transmit a status mark to the Sensor Server, along with the current sensor values.
- When the Sensor Server's sensor **Add Mode** is set to **Service Mode**, sending a service signal will cause the Sensor Server to recognize the new sensor and begin communicating with it.
  - Refer to the Sensor Server manual or the Server Manager Help files for details on adding sensors.

## MOUNTING

- To mount the unit, insert mounting screws into the four holes located on the base of the XR9-TR1 (one on each corner) and screw onto desired surface.