



**SENTINEL W/ CELLULAR MODEM  
USER'S MANUAL ADDENDUM  
VERSION 2.1**

**SENSAPHONE<sup>®</sup>**  
REMOTE MONITORING SOLUTIONS

## Sentinel Installation and Setup Guide

Applies to the following Part Numbers:

SCD-1200-CLVZCD

SCD-1200-CLVZSD

SCD-1200-CLATCD

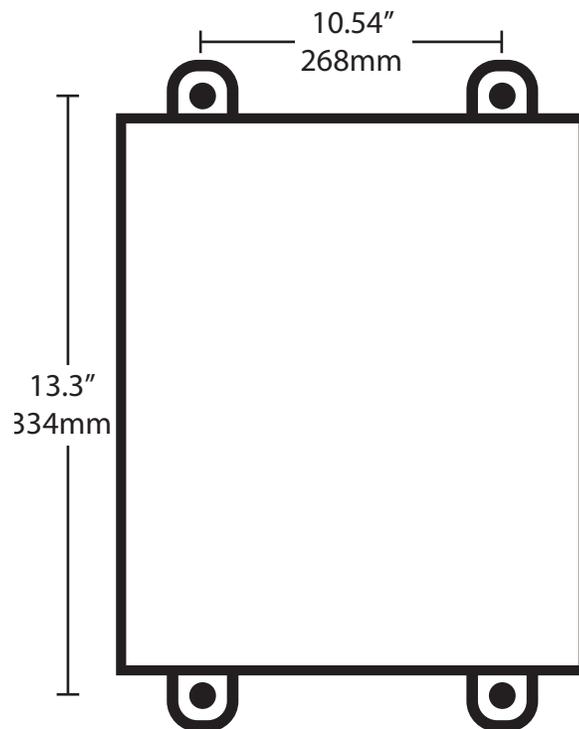
SCD-1200-CLATSD

SCD-1200-CLRWCD

SCD-1200-CLRWSD

### **MOUNTING INSTRUCTIONS**

The NEMA 4X enclosure (14" x 12" x 7.4") comes with mounting feet that must be attached to the bottom of the enclosure. The drawing below shows the location of the mounting feet for attaching the enclosure to a wall:



### **TURNING THE UNIT ON**

To power-up the system, plug-in the power supply and turn-on the power switch on the front of the Sentinel.

## TURNING THE UNIT OFF

To power-down the system, turn-off the power switch on the front of the Sentinel, unplug the power supply, and then briefly press the OFF button on the Cellular Battery Backup Controller. This will disconnect the battery backup system and the unit will shutdown.



## POWER SUPPLY

The unit comes with an external 12VDC 2A power supply that accepts 100-240VAC 50/60Hz. The power supply has been prewired to the Cellular Battery Backup Controller located inside the enclosure. This controller distributes power to the Sentinel, the cellular modem, and also controls the battery backup system for the cellular modem. Note that the Sentinel has its own internal rechargeable battery.

## CELLULAR BATTERY BACKUP CONTROLLER

The Cellular Battery Backup Controller is the main power input for the system. It distributes power to the Sentinel, the cellular modem, and controls the cellular battery backup system. There is no on/off switch for the controller, once power is applied it is functioning. Note that the modem also does not have a power switch so the modem will turn-on immediately as well. Only the Sentinel has its own power switch.

There is a 12V 3.4AH rechargeable battery located below the Sentinel which is used to power the cellular modem in the event of a power failure. The entire system should operate for about 8 hours when the batteries are fully charged. The 12V battery should last for 4-5 years before needing replacement depending on usage and operating temperature.

## **SOLAR OPERATION**

To operate the unit from a solar power system, disconnect the external power supply from the Vin terminals on the Cellular Battery Backup Controller. Next, connect the output of the solar voltage regulator to the Vin terminals. (See specifications for requirements)

## **SPECIFICATIONS**

**Power Input Voltage:** 11.5 - 20 VDC (Vin terminal on Cellular Battery Backup Controller)

**Power Input Current:** 350mA nominal/650mA peak

**Battery Backup (Cellular):** 12V 3.4 AH sealed lead-acid rechargeable

**Enclosure Dimensions:** 14" x 12" x 7.4"

**Weight:** 12 Lbs.

**Operating Temperature:** 0° to 135°F (-18 to 57°C)