

The
Original



SOS[®]

Siren-Operated Sensor

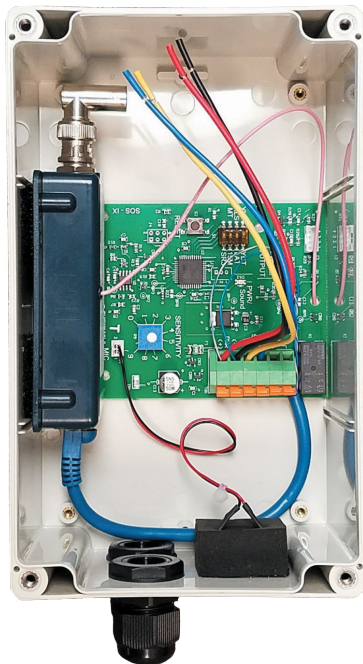
The Nation's Most Widely-Used Uniform Emergency Access



Cut Sheet for the SOS Silent by SIREN-OPERATED SENSORS

America's Most Widely Used Emergency Gate Access System

The SOS Silent responds to RFID tags that are mounted to a vehicle. The read range is adjustable from 1' to 600'. This system will allow emergency vehicles to open all gates within a community whenever their vehicle is within range. A separate use of the SOS Silent is to allow residents or employees access to the gate with vehicle RFID tags while continuing to allow emergency vehicles access to the gate with the use of their "Yelp" siren. The SOS is committed to open gates quickly and reliably in residential, commercial, airport, government, and military properties in an emergency. Currently used throughout the Americas and Europe and mandated in many communities nationwide, the SOS is the most reliable, cost-effective device for opening your gates, roll-up doors, parking arms, and barriers in an emergency.



Technical Requirements of the SOS Silent Receiver

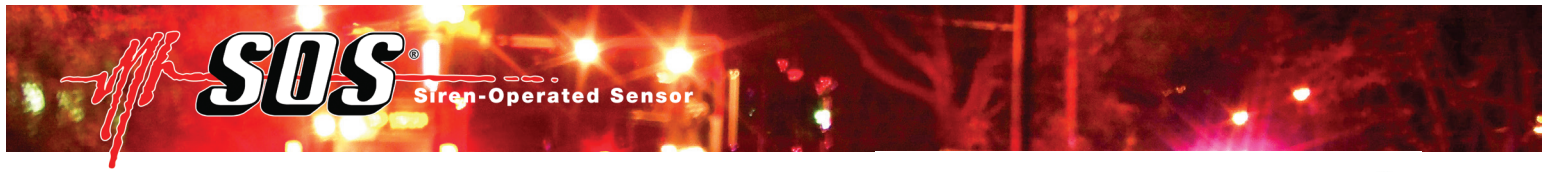
- Voltage:** DC 9 to 30 volts or AC 9 to 16 volts
- Amp draw:** 0.1 mA (milliamp) when listening and when activated
has a 25 mA draw during the trigger
- Wire gauge:** 18-22 AWG (not included)
- 2 Cable Glands:** One for antenna wire, 2nd for operator and power wires
- Temperature:** The SOS remains functional in temperatures ranging
from -30 to 120 degrees Fahrenheit.
- Weigand Output:** 26 bit

RFID Tag (T-8,000):

- Frequency – 433.92 Mhz
- ERP – <300 Micro Watts
- Adjustable read range 1' - 600' Programming requires a tuning kit PL-2000
- Internal Lithium battery lasting up to 7 years
- 2.3" x 1.5" x 0.5" in size
- Weighs 0.7 oz.
- Made of UV Stabilized PVC



702 Fairfield Ave. W • Twin Falls, ID 83301 • (800) 767-4283 • (208) 734-0467



RFID Receiving Antenna (ANT-ROD):

- Frequency – 433.92 Mhz
- Gain at connector 3.0 dBi
- VSWR - <1.6 : 1
- Impedance 50 Ohms
- Maximum Power 20W
- Connector – BNC(M)
- Supplied with a 12 foot coax cable



Siren receiver

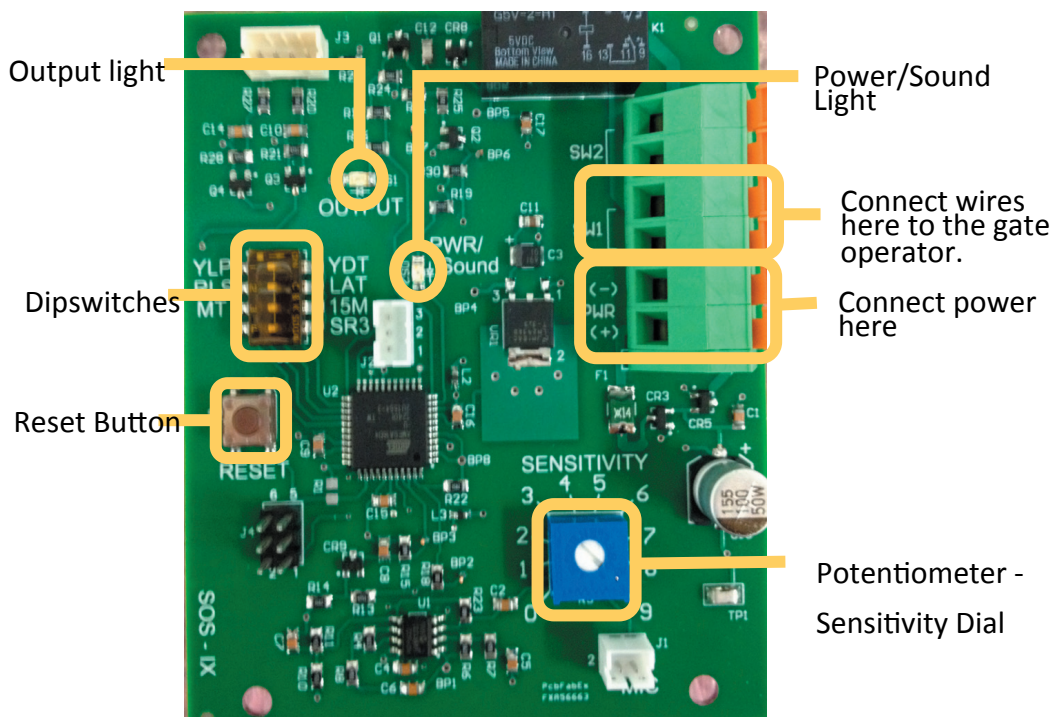
Opens the gate within 3 seconds of detection of an “Emergency Yelp Siren.”

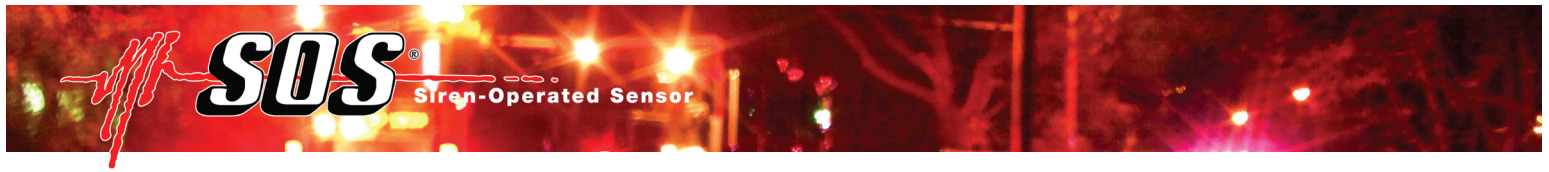
Potentiometer:

You can easily adjust the sensitivity of the unit with the potentiometer dial.

The necessary decibel level varies by the unit’s sensitivity setting:

- Sensitivity set at 0: The unit will not trigger at any decibel level
- Sensitivity set at 3: The unit will trigger at 125 decibels
- Sensitivity set at 5: The unit will trigger at 105 decibels
- Sensitivity set at 7: The unit will trigger at 95 decibels
- Sensitivity set at 9: The unit will trigger at 80 decibels





Programming:

The SOS is equipped with four switches to customize the sound that will open the gate and the length of time the gate remains open after being triggered by an emergency vehicle. You can Keep the gate open for just one vehicle to enter, hold for 15 minutes or if you prefer, latch it open until the reset button is pushed.

Dipswitch	Off	ON
1	(YLP) Triggers only to the Yelp siren after the proper decibel level is maintained for 3 seconds	(YDT) Triggers the gate after 5 seconds of any continuous noise at the proper decibel level
2	(RLS) Releases the gate to close after one vehicle has entered	(LAT) Once triggered holds the gate open until the reset button has been depressed
3	(MT) Releases the gate to close after one vehicle has entered	(15M) Once triggered hold the gate open for 15 minutes or until the reset button has been depressed
4	No effect on the sensor or the gate	(SR3) Only used for international sirens

Reset Button:

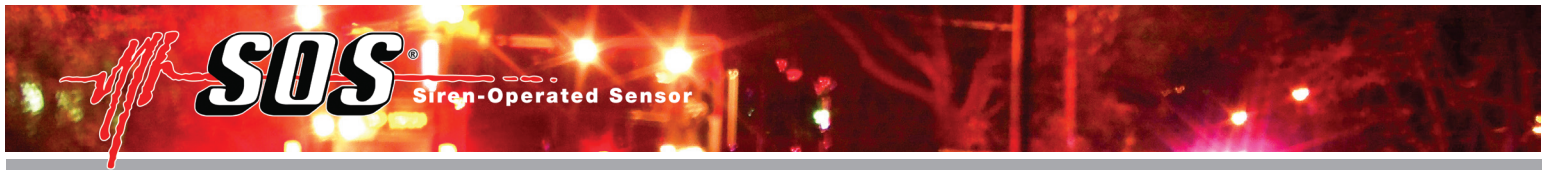
SOS units have two reset buttons that perform the same function. One on the exterior of the enclosure and one on the inside of the enclosure on the circuit board.

Siren Test:

The SOS includes a CD recording of an emergency responder “yelp” siren so you can test the unit and adjust the sensitivity settings to your preference or you can download an MP3 file from www.sosgate.com. It is recommended that you get a live siren to test your unit twice a year.

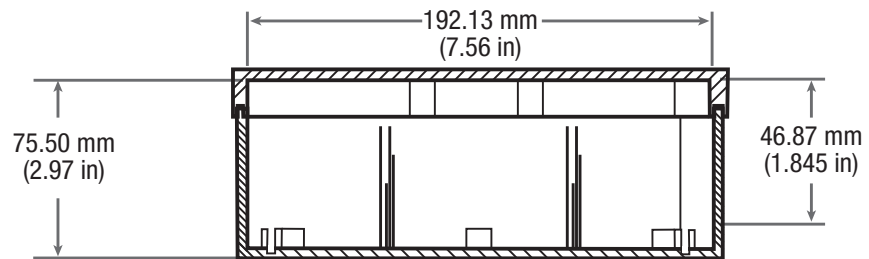
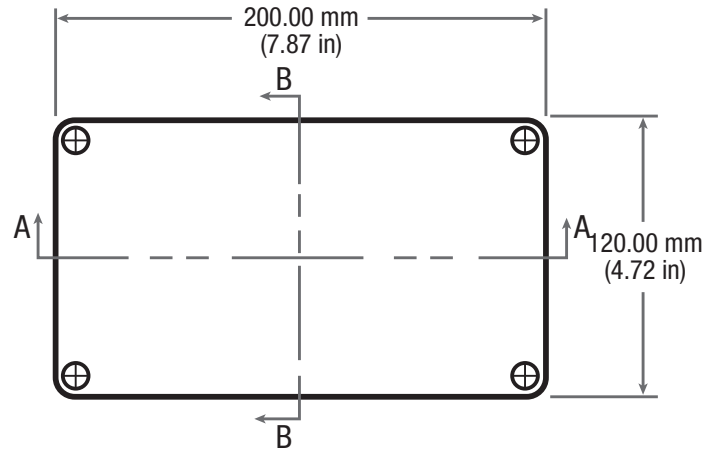
Reflective Sign:

Each unit ordered comes with a 4” X 5” or 8” x 10” sign which clearly tells emergency responders your gate is protected by SOS. It is your choice which size sign you get.

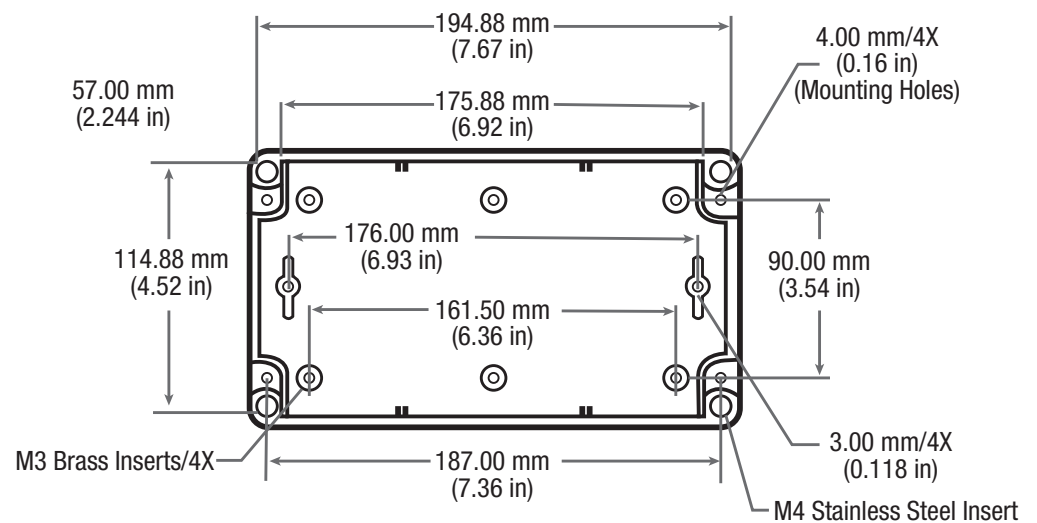


Advantage & Sizes

(Enclosure sizes measurements in inches)



**SECTION A-A
SIDE VIEW**



BOX – INSIDE