

The
Original



SOS®

Siren-Operated Sensor

The Nation's Most Widely-Used Uniform Emergency Access



Cut Sheet for the SOS VIII, IX and X by SIREN-OPERATED SENSORS

America's Most Widely Used Emergency Gate Access System

The Siren Operated Sensor (SOS) responds to the sound of a siren to open residential, commercial, airport, government, and military gates 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

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)

Temperature: The SOS remains functional in temperatures ranging from -30 to 120 degrees Fahrenheit.

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

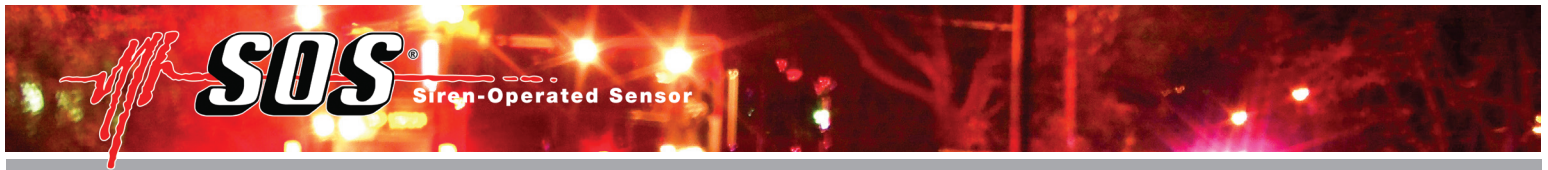
Reset Button: SOS units have two reset buttons that perform the same function. One on the exterior of the enclosure and one on the inside of the enclosure on the circuit board.

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.







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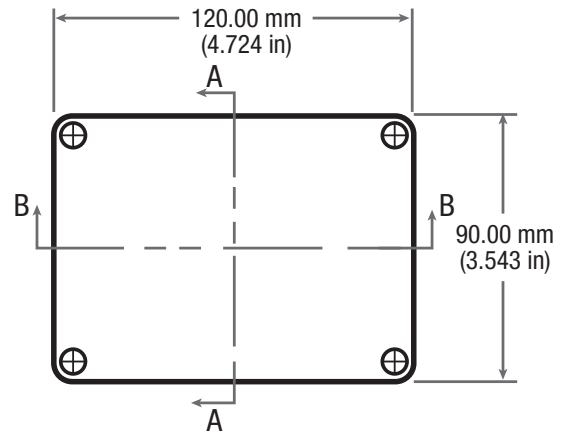
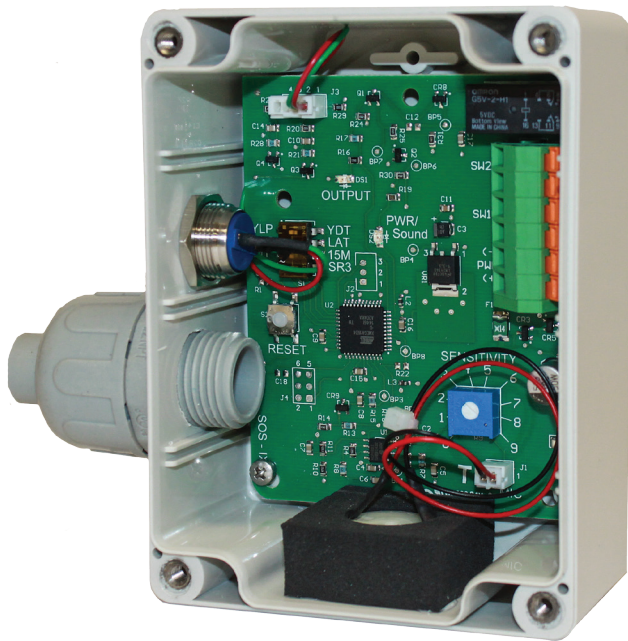


Advantage & Sizes

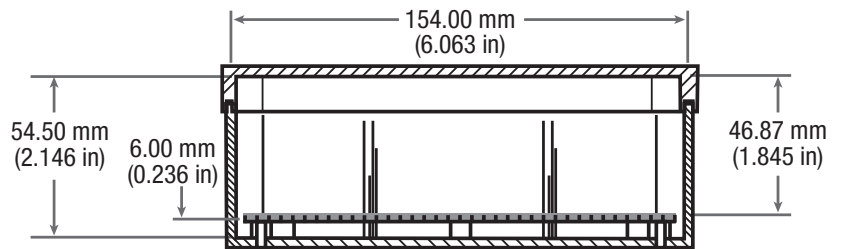
(Enclosure sizes measurements in inches)

SOS VIII

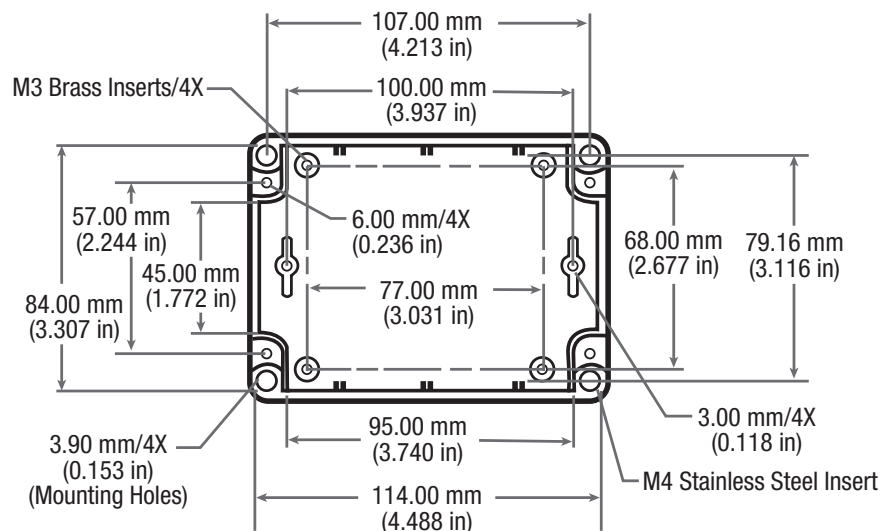
-  Smallest enclosure
-  Screw-down lid
-  1/2 inch conduit tap on the side (connector shown now included)
-  Dimensions: H = 4.75"; W = 3.5"; D = 2.5"



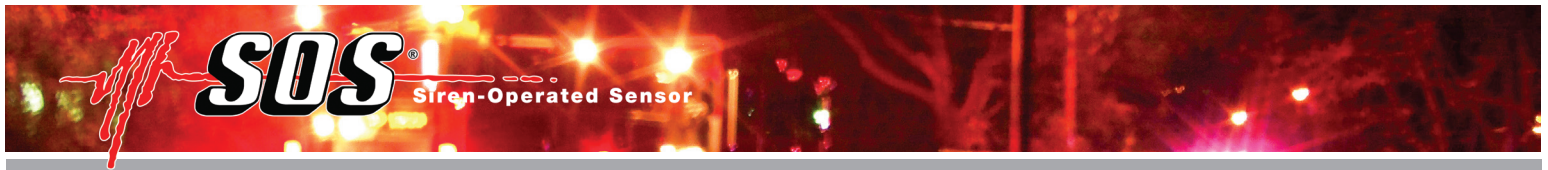
ASSEMBLY



SECTION B-B



BOX – INSIDE

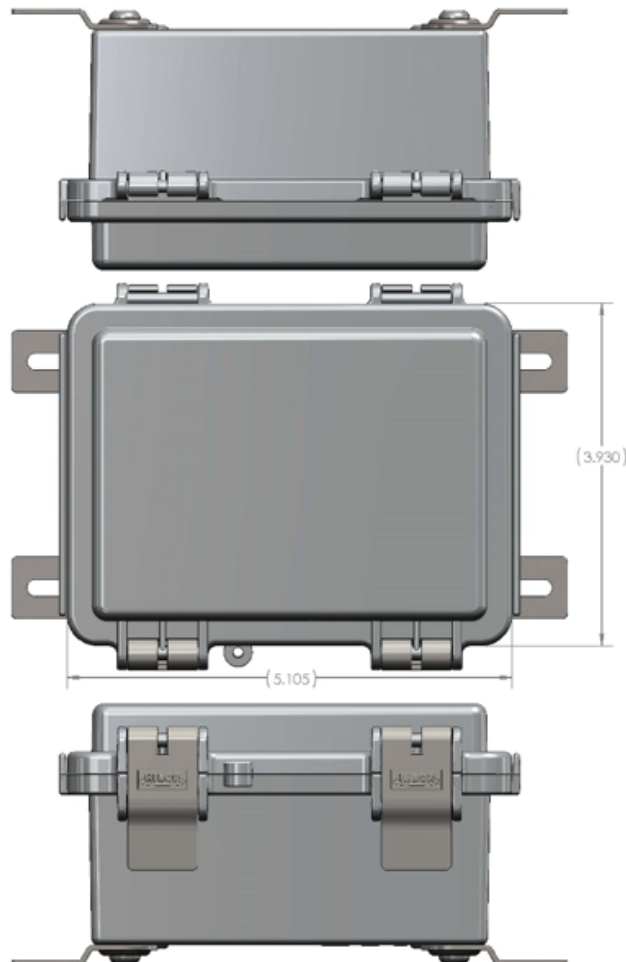


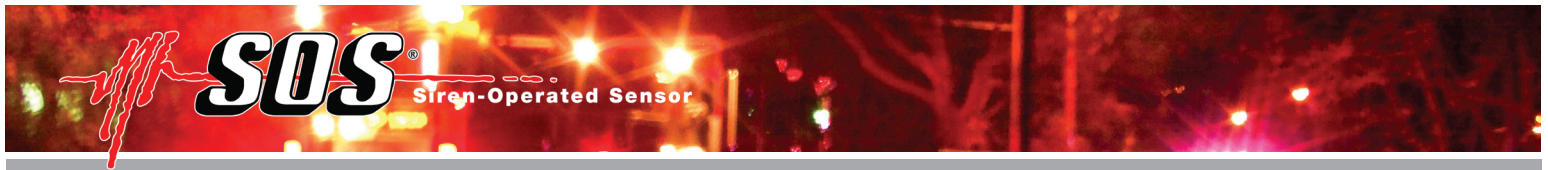
Advantage & Sizes

(Enclosure sizes measurements in inches)

SOS IX

- Flip lid
- Mounting feet
- Dimensions: H = 5.5"; W = 4.5"; D = 2.75"







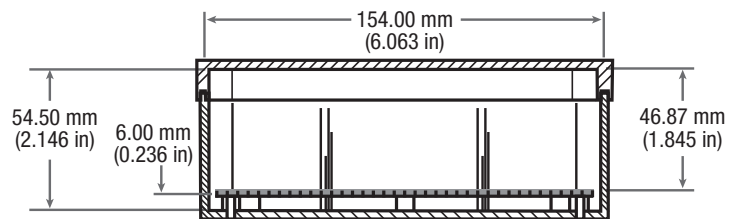
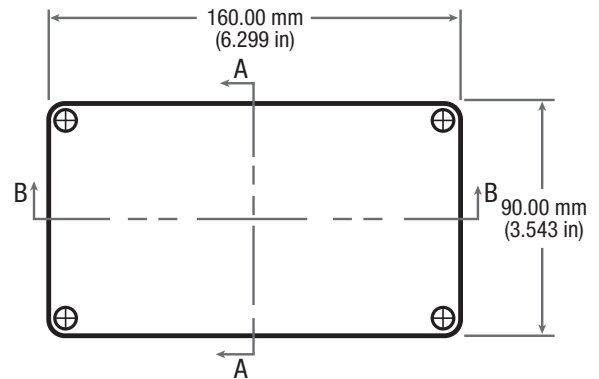
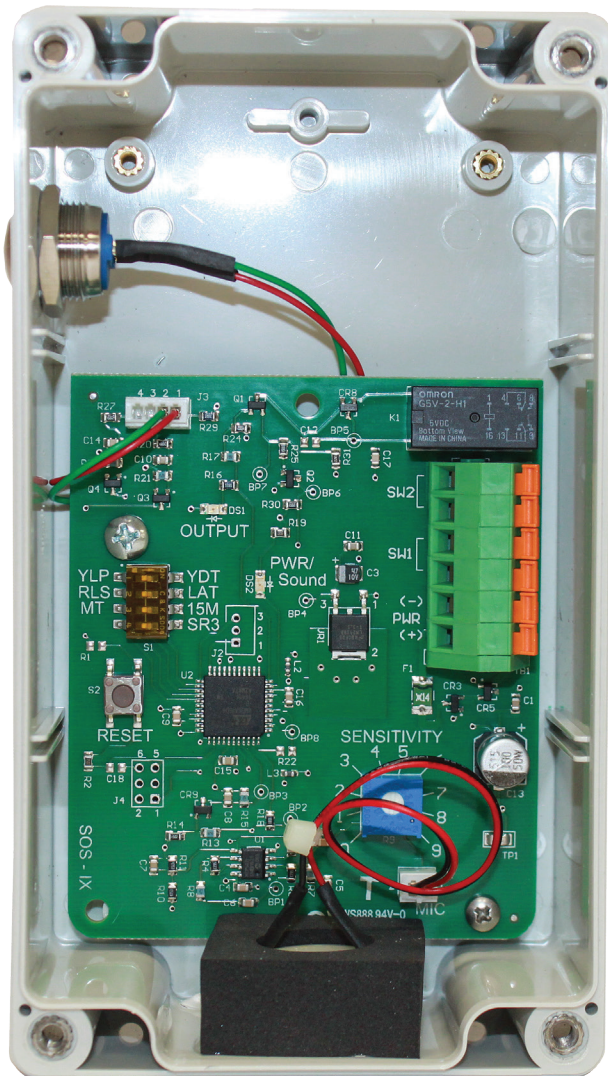


Advantage & Sizes

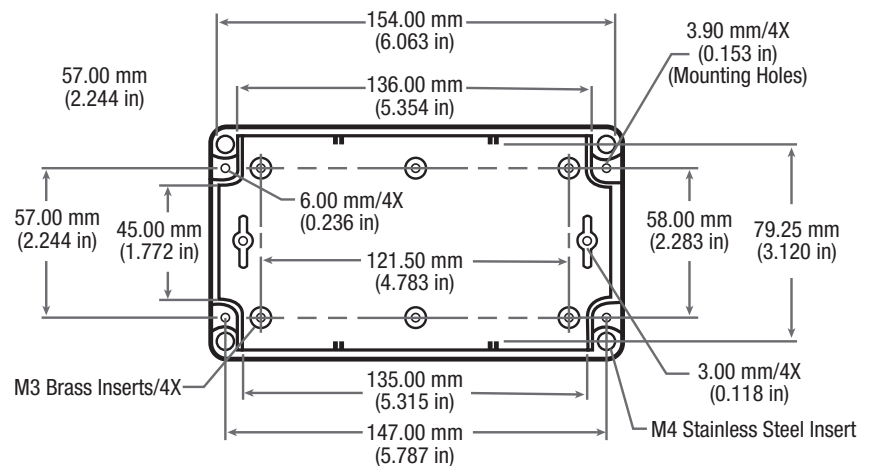
(Enclosure sizes measurements in inches)

SOS X

-  Larger enclosure
-  Drill through the back of the enclosure
-  Bring wires in from the back with hollow post mount
-  Dimensions: H = 6.5"; W = 3.5"; D = 2.5"



SECTION B-B



BOX - INSIDE