

SOS 12 by SIREN-OPERATED SENSORS

The potentiometer on the SOS can easily adjust the sensitivity of the unit with its dial. By changing the sensitivity up or down you will change the level decibels needed to trigger the unit. Below is a chart showing these ranges.

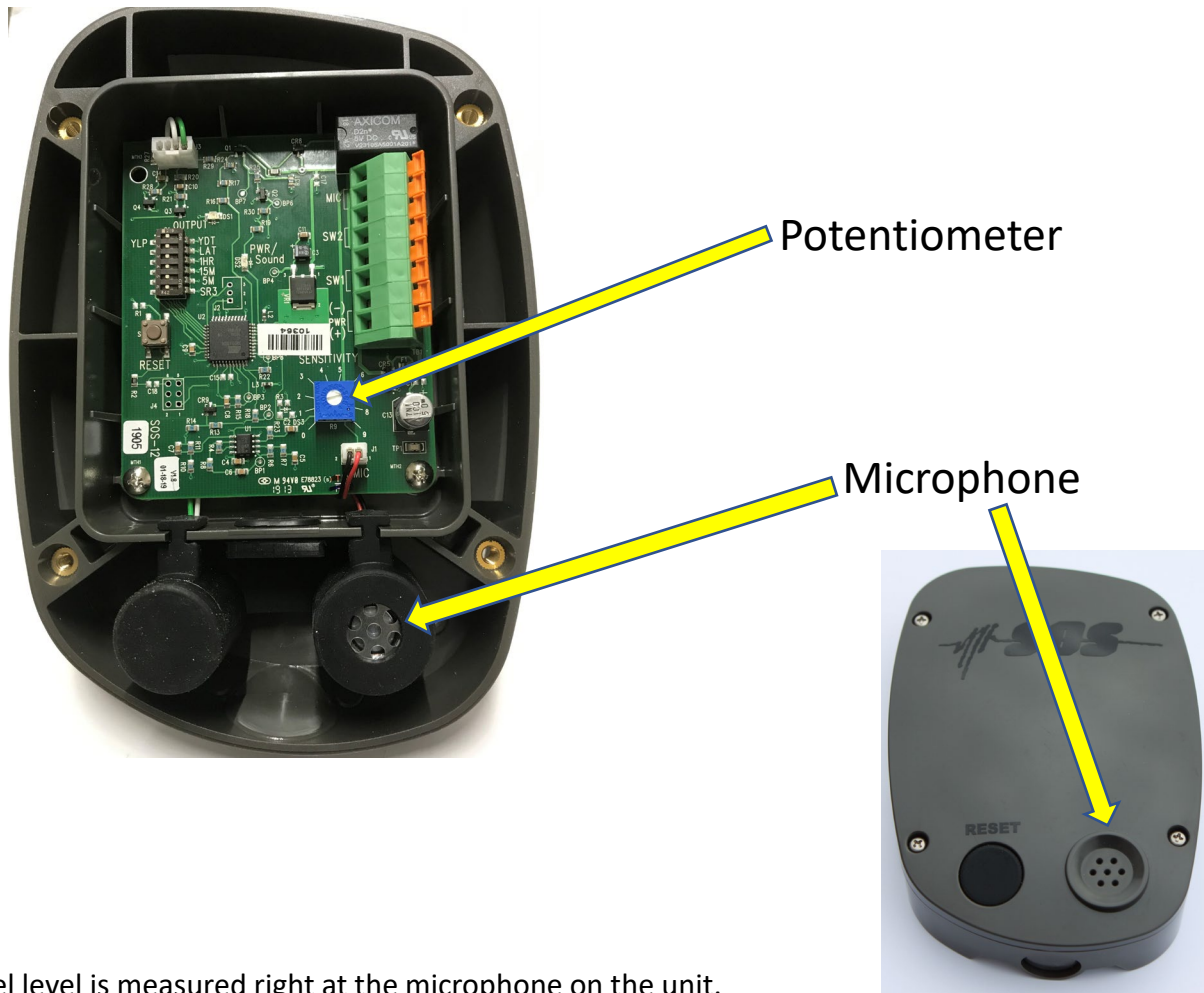
Sensitivity set at 0: The unit will not trigger at any decibel level

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



The decibel level is measured right at the microphone on the unit.

You should note that **decibels increase with closeness** – the closer you are to the source of a sound, the louder it is. The smaller the distance between the speakers and the microphone can significantly increase the loudness of the audio at the microphone and open the gate.



A mobile phone's speaker that is touching the unit's microphone will reach the proper decibel level and open the gate. This makes testing the unit easy but it creates a risk for the gate to be opened by anyone.

For this reason, it is imperative that the SOS unit be installed inside the gate where outsiders can't get next to the unit. A typical mobile phone speaker on high will not trigger the gate with the sensitivity at 7 or lower from 4 feet away. The volume of the phone speaker and the level at which you set the potentiometer will change the distance you need to be from the sensor to trigger it. By keeping phones from easily getting within 6 feet of the microphone you will protect your gate from being opened inappropriately.

The new SOS 12 can be fitted with a remote microphone. The remote microphone can be installed up to 50 feet from the sensor keeping the microphone well away from falsely opening. The remote microphone can be installed on a pole, at roof line on a building or even up a tree ensuring that unauthorized individuals do not have easy access to it.

