

Connection Examples

Sounder Mode

#1 = Continuous Sound +ve
#2 = Alternating Sound +ve
GND = Common -ve
SW x 2 = Lid and mounting surface tamper.

+ve

Not Connected

-ve

Tamper

#1

GND

#2

MS

Not Connected

+ve

-ve

Tamper

#1

GND

MS

#2

Continuous sound only

Alternating sound only

Speaker Mode

Audio In
Audio In

Not Connected

Not Connected

Not Connected

Tamper

#1

GND

#2

MS

Extension speaker only

Tamper only

Specifications

Sounder Technical

Nominal Voltage: 12 volts DC
Voltage range: 9-15 volts DC
Sounder Type: Tone (Piezo)
Sound output level : 110 dB (A) @ 1 metre
Continuous Sound only current: 103mA @ 12volts dc
Alternating Sound only current: 85mA @ 12volts dc
Temperature Range: -15° C to +40° C
EN50131-1:2006 + A1:2009: Security Grade 3 Environmental Class II
EN50131-4:2009 Warning device type: Internal Remotely Powered

Speaker Technical

Nominal Impedance: Better than 16 ohms
Speaker Type: Tone (Piezo)
* sound output level: >100 dB (A) @ 1 metre

Tamper Detection

Lid and mounting surface removal.

Housing

Base Material: ABS
Lid Material: ABS
Dimension (mm): 115mm x 115mm x 32mm

Environmental Advice.
This product is covered by current WEEE regulations. Please consider the effect on the environment when disposing of it. Do not put in a domestic waste bin. Only dispose of at an appointed recycling centre.

RoHS compliant.

SOSP/ALTO/WH/G Combined Internal Sounder and Extension Speaker

Low profile design.
110dB sound output.
Connect either as a sounder or speaker
Selectable alternating or continuous tone.
Low current consumption.
High Impedance allowing multiple speakers to be used.
Tamper protected lid and mounting.

Operating and Installation Instructions

Description

This remotely powered internal sounder can be installed in security systems up to and including Grade 3 Environmental class II in accordance with EN50131:2006 + A1:2009. It complies to EN50131-4:2009. The warning device gives an audible signal of alarm activation. The sound output is selectable for either alternating or continuous tone. Additionally it can be selected to be used as an unpowered extension speaker. It is also protected against tampering by means of lid removal and removal from the mounting surface.

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SOSP/ALTO/WH/G Issue 02

Features

Sounder Terminals

Extension Speaker
Terminals

Piezo Sounder

Tamper Mechanism

Speaker/Sounder
Selection switch

SW SW GND #2 #1

For Siren
#1-Steady Tone(+)
#2-Warble Tone(+)
GND-Ground(-)

SPEAKER SOUNDER

Sound Louvres

Removal from surface
tamper fixing screw

Mounting Holes.

Cable Entry

Front

Back

Open Lid

SW SW GND #2 #1

For Siren
#1-Steady Tone(+)
#2-Warble Tone(+)
GND-Ground(-)

SW= Tamper Switch

GND= Common -ve

#1= Continuous Tone +ve
#2= Alternating Tone +ve

Speaker/Sounder
Selection switch

Speaker Sounder

Extension Speaker Terminals

SPEAKER ONLY

Identify a suitable mounting location for the sounder on a flat surface. To remove the lid, unscrew the retaining screw on the front face, grip both sides and hinge the lid up as shown opposite. Using the sounder as a template, mark the fixing points on the surface of the selected location. Drill 4 x 5mm holes for the enclosed wall plugs, insert the wall plugs into the holes, feed the cable through the cable entry point on the sounder and using the enclosed screws, fix the sounder to the selected location.

Please note in order for the sounders tamper protection to detect unauthorised removal from the mounting surface, the tamper fixing screw hole must be used, do not overtighten this screw as this is a one time operation and if broken or damaged the sounder will need to be replaced.

There are two ways in which this unit can be used. Either as a 12 volt powered sounder or as an unpowered extension speaker. In either mode the tamper circuit should be wired seperately to the SW connections.

1. To use as a powered sounder either as an alternating or continuous sound, ensure the switch is in the appropriate position and connect a negative from the control panel to the common negative terminal (GND) and connect a positive trigger to the appropriate positive terminal (#1 or #2). To stop the sound, remove the positive or negative supply.

2. To use as an extension speaker, ensure the switch is in the appropriate position and connect two wires from the speaker terminals indicated to the control panel. Depending on the control panel, it is possible to wire multiple units in parallel to more locations. In this scenario the SW connections should be wired in series.

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