

SG-Wgw voice alarm device



Product description

The SG-Wgw alarm device is a universal device destined for a wide range of applications, for burglar alarm systems, automatics systems and for other applications which require a non-standard alarm signal that cannot be managed by any other standards. One of more interesting examples of using the alarm device is application in shops. The alarm device enables generating an announcement released by a particular event, which in case of a shop is detecting a person by a motion sensor placed over an entrance.

The SG-Wgw alarm device is intended to be used indoors.

Construction

The SG-Wgw alarm device is made from ABS V0 non-combustible material, normally white. Alarm device can emit to six voice announcements of the total duration of 65s, optionally completed with an acoustic alarm signal of the total duration of up to 60s. A loudspeaker was used as the source of sound.

The SG-Wgw voice alarm device collaborates with "repetitive" SG-Wgw alarm devices, what is particularly useful in case of providing long corridors or bigger facilities with sounding.

Attention!

Regulation of sound level output works locally (only with one sounder), it means if user will change sound level output in SG-Wgw sounder, sound level of all devices in network will not change.



How to program the product

Possibilities provided by SG-Wgw alarm devices

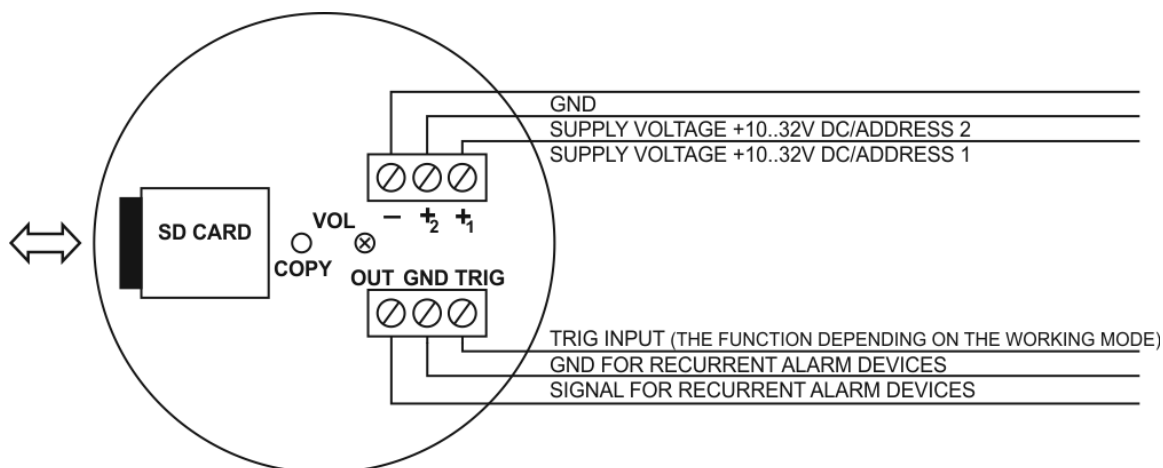
The SG-Wgw alarm device can emit to six voice announcements (depending on configuration) with an acoustic alarm signal (1 of 35 patterns). Each sequence is programmed independently. An alarm device operation sequence is presented in the drawing below. By means of the SG configuration program the user can define the duration of: an acoustic alarm signal, intermission 1, a voice announcement, intermission 2.



Additionally, there is a TRIG input (active low) in an SG-Wgw alarm device, which can operate as an input which: releases an announcement, turns down an announcement or releases an additional address input depending on configuration. If there are from 1 to 3 announcements, an input TRIG can operate as an input which releases or mute (an "SG" configuration program), whereas in case of six announcements input TRIG operates as an additional address input. If an input TRIG is used as a turning down input, then the active state on the input (active low continuous or pulse) mute the alarm device and the all devices network connected to it.

| Working mode of a sounder | State of trigger input | State of input „+1” | State of input „+2” | Type of an alarm |
|-----------------------------------------------------------------------------------------------|------------------------|---------------------|---------------------|-----------------------------------------|
| Working as sounder with six voice announcement | TRIG=1 or NC | GND or NC | 1 | Sequence 1 |
| | | 1 | GND or NC | Sequence 2 |
| | | 1 | 1 | Sequence 3 |
| | TRIG=0 | GND or NC | 1 | Sequence 4 |
| | | 1 | GND or NC | Sequence 5 |
| | | 1 | 1 | Sequence 6 |
| Working as sounder with possibility of mute | TRIG=1 or NC | GND or NC | 1 | Sequence 1 |
| | | 1 | GND or NC | Sequence 2 |
| | | 1 | 1 | Sequence 3 |
| | TRIG=0 | GND or NC | 1 | Sounder in mute mode |
| | | 1 | GND or NC | |
| | | 1 | 1 | |
| Working as sounder with possibility of triggering | TRIG=1 or NC | GND or NC | 1 | Silent (Waiting for triggering) |
| | | 1 | GND or NC | Silent (Waiting for triggering) |
| | | 1 | 1 | Silent (Waiting for triggering) |
| | TRIG=0 | GND or NC | 1 | Triggering of first voice announcement |
| | | 1 | GND or NC | Triggering of second voice announcement |
| | | 1 | 1 | Triggering of third announcement |
| 1 –input is connected to+10..32V DC, 0 –input is connected to ground NC –not connected | | | | |

Connection diagram



Technical data

| | |
|---------------------------------|--------------------|
| Supply voltage | +10..32V DC |
| Current consumption | <260mA at 12V DC |
| | <125mA at 24V DC |
| Sound output at 1 m | >85dB |
| Ingress protection | IP21C |
| Max conductor cross-section | 2.5mm ² |
| Dimensions | Ø 114 x 66mm |
| Weight | <320g |
| Range of operating temperatures | -25 ÷ 55°C |
| Climate category | -25°C/+55°C/21 |
| Voltage range on input TRIG | 0..32V DC |

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