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-Wgws 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.

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.
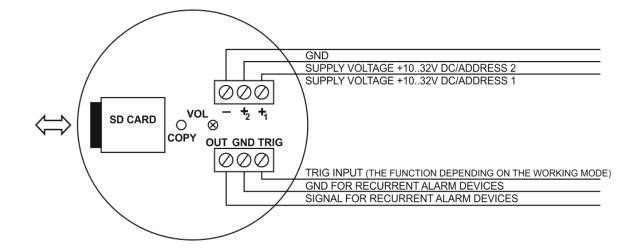

Additionally, there is a TRIG input (active low) in an SG-Wgw alarm device, which can operate as an input which: releases an announcement, turns down an announcement or releases an additional address input depending on configuration. If there are from 1 to 3 announcements, an input TRIG can operate as 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


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                    GND
                    SUPPLY VOLTAGE +10..32V DC/ADDRESS 2
                    SUPPLY VOLTAGE +10..32V DC/ADDRESS 1

SD CARD    VOL   —  +₂  +₁
         ⊗
COPY       OUT GND TRIG

                    TRIG INPUT (THE FUNCTION DEPENDING ON THE WORKING MODE)
                    GND FOR RECURRENT ALARM DEVICES
                    SIGNAL FOR RECURRENT ALARM DEVICES
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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