



# TFS-314

## Integrated Buzzer and strobe

### Technical instructions



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*i* The system must not be installed, operated or maintained before reading and understanding this manual in full.

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## **1. Introduction**

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The TFS-214/214S is a strobe buzzer intended to be wired with an alarm system, fire detection, gas detection and other security systems. The buzzer is an internal installation that can be run in two modes / types of sounds, according to the table listed below.

Buzzer working voltage: 24 volts direct current.

Volume can be set by a volume regulator located at the check connection.

Buzzer operation is characterized by high-volume low-flow operation, allowing to connect to a number of buzzers on a single operating line; conditioned on the limitations of the buzzer outputs on the relevant hub. Connections are polarized, with reverse polarity protection to allow operation in "reverse polarity" or "voltage level" mode.

## **2. Installation**

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TFS-314 Strobe buzzers are designed for indoor installation in residential and non-residential places, wall mounted or ceiling mounted, using the provided mounting bracket. The electric connections are done by the connection terminals found at the back of the unit.

### **2.1 Wiring**

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The buzzer line has to be wired with a standard electric cable, according to the requirements of IS 1220, part 3 and the instructions of the panel manufacturer.

When connecting several buzzers to a common line, the line has to be wired via serial connection between the devices, and via parallel electric connection to the inputs and outputs, as done for a detection line.

### **2.2 Volume adjustment**

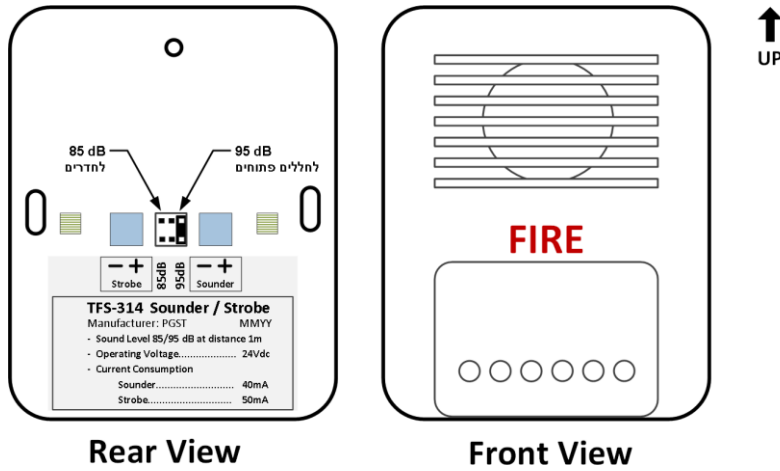
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Two volume levels can be selected by the volume regulator on the back of the buzzer. When the right volume regulator is connected, the buzzer volume is 95dB (designed for corridors and open spaces), and when the left volume regulator is connected, the buzzer volume level is 85dB (designed for rooms).

### 3. Electric connections

The buzzer will be fed by an output on the panel or addressable operating unit, and will be connected by the markings on the product and by the labeled polarity. The feed of additional buzzers connected downstream from the operating line will be connected to separate terminals marked accordingly.

The end-of-line resistor will be connected to the last buzzer on the buzzer operating line. The value of the end-of-line resistor will be as specified by the panel manufacturer.



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### 3.1 Connection to Telefire panels

If the device requires the strobe lights to continue to operate after the buzzers are silenced, they have to be connected to separate outputs, and programmed accordingly.

Output		
ADR-7000	Output NAC 1	Up to 5 units
	Output NAC 2	Up to 5 units
ADR-3000	Output: buzzer	Up to 5 units
ADR-823	Output NAC A	Up to 5 units
	Output NAC B	One unit only
ADR-723	Output NAC A	Up to 5 units
	Output NAC B	Up to 5 units
TSA-1000	Output: Buzzer	One unit only
	1 output	Up to 5 units
	Outputs 2-6:	One unit only
TSA-200 / TSA-200XT / TSA-240 / TSA-240XT	Out 1 output	Up to 5 units

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**Note!**

The connection limitations indicated in the table refer to a case when only TFS-314 strobe buzzers are connected to the said output.

If buzzers of other models are connected, like TIP-224, the total current has to be calculated, and it must not exceed the output or panel limitations.

### 4. Technical data

Dimensions:	114/134 mm
Height:	43mm
Weight:	156 gr
Operating temperature range:	-10°C – +50°C
relative humidity:	10-93%, with no condensate
Operating voltage (supplied by the panel)	24 Vdc
Power consumption	
Buzzer	40 mA
Strobe light	50 m
Volume intensity	
Right volume regulator	95dB at a distance of 1 m
Left volume regulator	85dB at a distance of 1 -m

All values are minimal and can be changed, without prior notice.

### 5. Accreditation

TFS-314 buzzer- strobe light is certified to IS 1220.