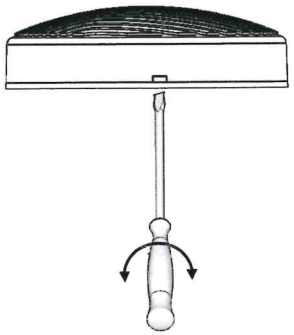
Chart 2				
Terminal S1	Terminal S2	DIP2 ON Modulation	MAX consumption	MAX sound pressure @1m
12V	*0V or free*	Pulsed (1830 Hz)	90 mA	100 dB
0V or free	*12V*	Decreasing (1200-500 Hz)	60 mA	115 dB (92dbA with DIP 1 ON)
12V	*12V*	Continuous (2800 Hz)	60 mA	115 dB

MOUNTING:

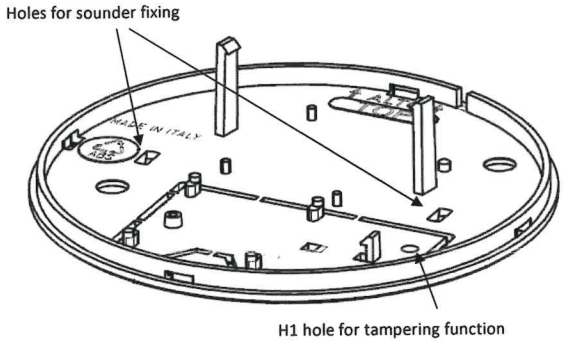
The sounder must be installed by qualified staff, in indoor location, keeping into consideration all related norms and measures and respecting proper distances and installation heights to the purpose of obtaining the best acoustic and optical notice results from the device.

1. To open the sounder, insert a screwdriver in the hole located on the base and screw or unscrew it as shown in Pict. 2;
2. Fix the sounder on the wall through the 2 fixing holes located on the sounder base (see Pict. 3) and using 2 5-mm wall plugs; for tamper function, fix the sounder to the wall also through H1 hole (see Pict.3).
4. For the wiring: use a joint in case of installation with external pipes.

Pict.2



Pict.3



CE

MADE IN ITALY

DISPOSAL:
This product must be disposed of using the appropriate bins for electrical and electronic products. This product must not be placed in bins for collection of other waste types.

Warranty:

All Venitem products are covered against factory and material defects. With the aim of improving design and quality of its products, Venitem reserves the right to modify them without prior notice. All defective products have to be returned to the supplier.

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VENITEM

INSTALLATION MANUAL

SP200L

INDOOR SOUNDER WITH FLASHING UNIT

DESCRIPTION

SP200L indoor sounder is a device conceived for both acoustic and visual notice in alarm installations. Technical features: two inputs to activate five different sounds, trimmer for sound softening control, dipswitch enabling sound pressure adjustment for input S2, high-intensity independent LED flashing unit for optical signalizations.

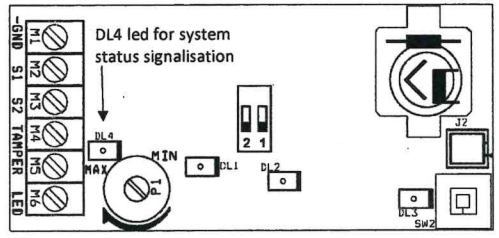
TECHNICAL FEATURES:

Nominal power supply (Vn)	12 Vdc (from 10 Vdc to 15 Vdc)
Max consumption	90 mA ± 10mA
Min consumption	15 mA ± 5mA
Sound pressure	> 90dB a 1m, Max 115dB
Sound frequency	See CHART 1 and 2
Working condition	From -10°C to +40°C
Humidity	75% max
IP degree	IP4x
Standards compliance	EN50131-4:2009
Security grade	3
Environmental class	Class II
Size	135mm (diam.), 38mm (D)
Weight	156 gr

WIRING:

See Pict. 1 and connect the positive output of the control panel (delivering min. 100mA and limited to 250mA) to one or both positive terminals (S1 and/or S2). According to the terminal connected, the sounder produces a sound type. Also connect the negative to -GND terminal as shown in Pict. 1.
To adjust the sound pressure (from 80 dB to 115 dB), rotate P1 trimmer clockwise.
To associate a softened sound to pre-alarm notification and for S2 input already to be softened of around 35 dB, set dipswitch 1 in ON position.
When the terminal +LED is brought to a positive voltage, the led DL4 on the sounder flashes steadily.

-GND	Negative
S1	Input 1 +13,8 Vdc
S2	Input 2 +13,8 Vdc
TAMPER	N.C. tamper
LED	Input +13,8 Vdc for DL4 led
Trimmer P1	Sound adjustment
DIP 1	Input 2 sound softening
DIP 2	Sound selection



Pict.1

Attention: board consumption varies according to volume adjustment.

Chart 1				
Terminal S1	Terminal S2	DIP2 OFF Modulation	MAX consumption	MAX sound pressure @1m
12V	*0V or free*	Trapezoidal (2740 - 3000 Hz)	60 mA	115 dB
0V or free	*12V*	Continuous (2800 Hz)	60 mA	115 dB (90dbA with DIP 1 ON)
12V	*12V*	Two tones (1800 – 2800 Hz)	60 mA	110 dB