

# TS85 LED

INTRUSION OUTDOOR SIREN

**Italian design and quality**  
with indication  
**of system status**

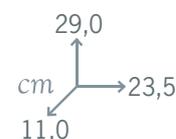
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## Range of products

TS85 is the range of siren designed for the intrusion sound warning in medium and large systems.

Available in 3 different models with specific performance; led optical flash part, possibility to display the status of the system. Classic designs in ABS, painted metal and stainless steel Cover ; flexible to be adapted in every situation.

# TS85 LED



TS85P LED Plus



TS85V LED Plus



TS85X LED Plus

## Functional plus

**LED INDICATOR** - depending on the model, the siren includes 2 red and a green high light intensity. LED that allow a perfect visualization both in day and night.



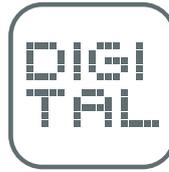
**FLASH MODE** - three different operation modes, one who follows the alarm, instead, the other two, are used to display the occurred memory alarm.

**ACOUSTIC CUSTOMIZATIONS** - an high efficiency electromagnetic cone ensures excellent acoustics. 8 different volume levels and 8 selectable different tones allow TS85 customizations, in base of the different Environment.

**TIMER CONTROL**- the technology used allows useful controls during the installation phase (e.g.: block during installing) and during normal operation (e.g.: count of the alarms in 24 hours).

## Security

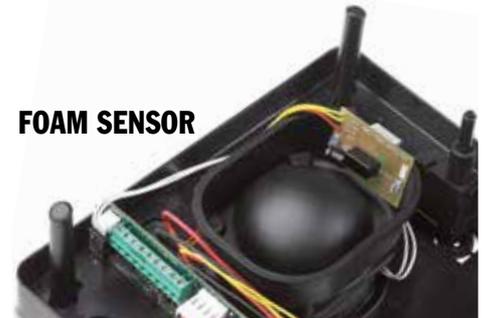
**OVERALL PROTECTION** - the accelerometer is an innovative digital technology that recognizes tear-off and tampering without additional electromechanical protection devices. Drilling and aggression with tools, flame are detected and reported on a dedicated output.



**FOAM SENSOR** - an optional dedicated optical module, immediately detects and reports the presence of foaming substances that may affect the noise level.



**DURABILITY** - To ensure reliability over time and in different weather conditions, all electronic circuits are tropicalized with high-strength resins.



**FOAM SENSOR**

## Mechanics

All the TS85 sirens range have a high standard of safety.

**TS85P LED PLUS:** the quality and the thickness of the “high density” ABS used for cover and the base box makes it extremely light, and at the same time robust at the “burglary”.



**TS85V LED PLUS** and **TS85X LED PLUS** sirens are high robustness range, respectively painted metal or stainless steel lids, make these siren safe and unassailable.

**In all models of the range is inserted an additional inner metal or stainless steel cover**, in defense of the electronic circuit and electromagnetic cone, which increases the protection of the siren.



## Installation

**INSTALLING** - the bottom of the container is equipped with a position indicator bubble that provides a fast, easy and accurate siren positioning on the wall.

**ACOUSTIC BLOCK** - the circuit includes a block to the Start Up which allows you to install the siren with battery even in absence of power, there is also a control that locks the cone, avoid undesired noise.

**MAINTENANCE** - to help the installation and scheduled maintenance, the bottom is comprehensive of a hook to support the open cover.

## Design

**COLORS** - TS85 is available in three different chromatic finishing, Classic Ivory ABS look, Classic Ivory Metal Look and Stainless steel Look.

**FLASH GEMS** - a small but important element of design that makes it particularly attractive. Available in four different colors: Blue, Transparent, Orange and Red.



# The best solution and design for intrusion warning

TS85P LED Plus

TS85V LED Plus

TS85X LED Plus

**TECHNICAL FEATURES**

			
Power 9,6 - 15 Vdc	•	•	•
Consumption in stand by: 20 mA	•	•	•
Consumption in alarm: 2,5 A max	•	•	•
Consumption restrictor after 10 sec.: max 100mA	•	•	•
Frequency: from 1300 – to 1750 Hz	•	•	•
Frequency: 1750 Hz	•	•	•
Sounding power: 105 dB (A) at 3 mt	•	•	•
Battery Self-test every 24 hours	•	•	•
Negative output for failures: battery - Cone - watch dog microprocessor - LED and Flash	•	•	•
Mechanical tamper (tamper / tear)	•	•	•
Accelerometer: Anti-tear, drilling and temperature	•	•	•
Flash LED	•	•	•
Red LED indicator - programmable	•	•	•
Green LED indicator - programmable	•	•	•
Programming commands: Balanced / NC with positive or negative to give or to miss	•	•	•
Optional Antifoam (S85)	•	•	•
Anti-Drilling Internal metallic protection	•	•	•
Battery: 12V 2,1 Ah Pb	•	•	•
Protection against polarity inversion	•	•	•
Operating Temperature: from -25°C to +55°C	•	•	•
Level indicator (bubble)	•	•	•
Dimensions: (PxLxH) mm	110 x 235 x 290		
Weight Kg	2.0	2.1	2.1
Protection Grade IP 34	•	•	•
EN 50131- 4 norm conformity	•	•	•

**FUNCTIONAL CHARACTERISTICS**

8 programmable acoustic tones	•	•	•
Main Tone with dedicated input	•	•	•
Alternative Tone with dedicated input	•	•	•
Adjustable Acoustic Power	•	•	•
FLASH mode / Alarm Memory	•	•	•
Alarms Encoding: 5 in 24 hours or unlimited - Programmable	•	•	•
Alarm sound maximum duration: from 1 to 8 min.	•	•	•
Block at 1st main connection	•	•	•
Timer emergency block	•	•	•
Block at Start Up	•	•	•



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