



AVS ELECTRONICS

Curtarolo (Padova) Italy
www.avselectronics.com

QUALITY
SYSTEM
ISO 9001

OUTDOOR SELF PROTECTED SIREN

TS 52 FL

TS 52 FLX



GENERAL FEATURES

The self-powered sirens for out door installation, with high power for security applications, built with strong zinked painted or stainless steel housing to warrant a good resistance against atmospheric agents. This siren has the characteristics to attain the highest security level.

The housing is composed of an external cover, a complete internal cover (foam and tamper protection) and a back plate in strong and Polycarbonate.

Available in different versions:

TS 52 FL in zinked and painted housing

TS 52 FL X in stainless steel (INOX AISI 304) housing

Halogen lamp, to get more visual efficiency and reduction of power consumption.

With one tamper switch is protected against the cover opening and wall removal.

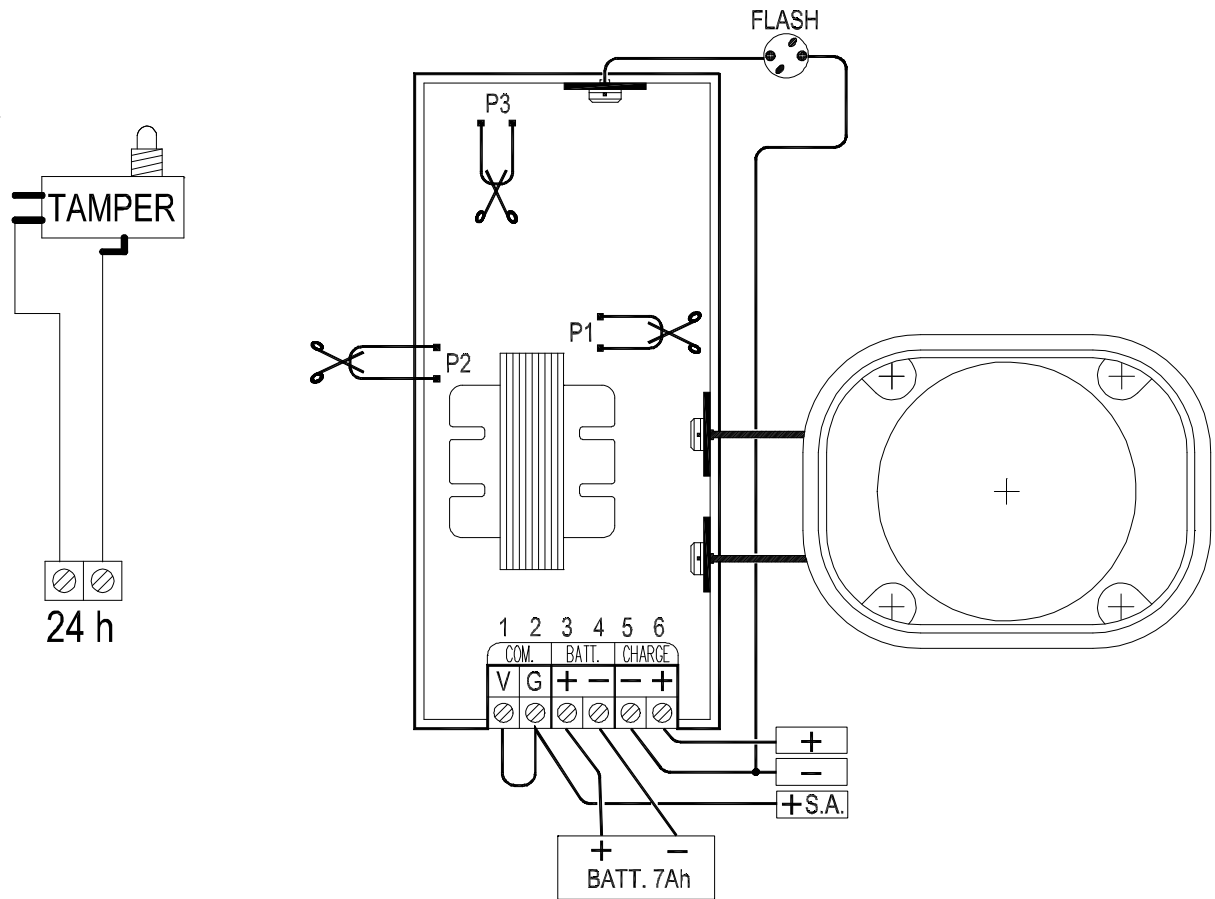
TECHNICAL FEATURES

Power Supply Voltage:	• 13.8 V $\overline{\text{---}}$ (min: 9V $\overline{\text{---}}$ / max: 16 V $\overline{\text{---}}$)
Medium Power Consumption:	• in quiet: 2,2 mA • in alarm: 1.6 A siren + 540 mA flash
Sound Level:	• 104 dB (A) a 3 m
Siren Frequency:	• 1.800 Hz fundamental
Flash Frequency:	• 0,67 Hz
Space for a battery (max):	• 12 V - from 1,2 Ah a 7 Ah
IP Protection:	• IP 34
Environmental Conditions:	• -25°C / +55°C



Warning: power to this device must come from a SELV type power supply having characteristics of current limitation and fuse protected output. (ref. EN 60950)

ELECTRONIC MODULE CONNECTION MOD. TS 52 FL, TS 52 FLX



P1 (Orange)	<ul style="list-style-type: none"> • open, to activate the siren-timing . The input "V" must be connected to a positive output when the control panel is not in alarm. When there is not a positive in "V" the siren will sound for 3 min.
P2 (Yellow)	<ul style="list-style-type: none"> • open (p2 and p1), to activate the siren-timing to 8 min.
P3 (Blu)	<ul style="list-style-type: none"> • open, to activate the flash-timing . After an alarm the it will flash for 40 min. The input "G" must be connected to a positive when the control panel is disarm.
V (1)	<ul style="list-style-type: none"> • Block command input; connected to the positive (coming from the control panel) is keeping the siren in quiet state, when not present the siren will sound; connected to AVS control panels, must be connected to the output S.A.
G (2)	<ul style="list-style-type: none"> • Block flash command input is to connect to a positive, when the control panel is disarmed. If P3 is opened, when there is an alarm the flash is on to 40 min. or up to the disarming of the control panel.
BATT (3-4)	<ul style="list-style-type: none"> • Connection of the battery located inside the siren.
CHARGE (5-6)	<ul style="list-style-type: none"> • Power supply 13.8 V = from the control panel: is giving the recharge supply to the battery. We suggest to put a 5A FUSE on the positive.

Operating directions

With terminal "V" e "G" connected together to "S.A." terminal on the control panel.

P1 (Orange): closed

P2 (Yellow): closed

P3 (Blu): closed

Control panel	Siren	Flash
In quiet	Don't sound	Don't flash
In alarm	Sound for ever	Flash for ever

P1 (Orange): open

P2 (Yellow): closed

P3 (Blu): closed

Control panel	Siren	Flash
In quiet	Don't sound	Don't flash
In alarm	Sound for 3 min.	Flash for ever

P1 (Orange): open

P2 (Yellow): open

P3 (Blu): closed

Control panel	Siren	Flash
In quiet	Don't sound	Don't flash
In alarm	Sound for 8 min.	Flash for ever

P1 (Orange): open

P2 (Yellow): open

P3 (Blu): open

Control panel	Siren	Flash
In quiet	Don't sound	Don't flash
In alarm	Sound for 8 min.	Flash for 40 min.

With terminal "V" connected to "S.A." terminal and "G" to "B" terminal on the control panel.

P1 (Orange): closed

P2 (Yellow): closed

P3 (Blu): closed

Control panel	Siren	Flash
Disarm in alarm	Don't sound	Don't flash
Arm in quiet	Don't sound	Don't flash
Arm in alarm	Sound for ever	Flash for ever
Arm in quiet after alarm	Don't sound	Flash for ever

P1 (Orange): open

P2 (Yellow): closed

P3 (Blu): closed

Control panel	Siren	Flash
Disarm in alarm	Don't sound	Don't flash
Arm in quiet	Don't sound	Don't flash
Arm in alarm	Sound for 3 min.	Flash for ever
Arm in quiet after alarm	Don't sound	Flash for ever

P1 (Orange): open

P2 (Yellow): open

P3 (Blu): closed

Control panel	Siren	Flash
Disarm in alarm	Don't sound	Don't flash
Arm in quiet	Don't sound	Don't flash
Arm in alarm	Sound for 8 min.	Flash for ever
Arm in quiet after alarm	Don't sound	Flash for ever

P1 (Orange): open

P2 (Yellow): open

P3 (Blu): open

Control panel	Siren	Flash
Disarm in alarm	Don't sound	Don't flash
Arm in quiet	Don't sound	Don't flash
Arm in alarm	Sound for 8 min.	Flash for ever
Arm in quiet after alarm	Don't sound	Flash for 40 min.