

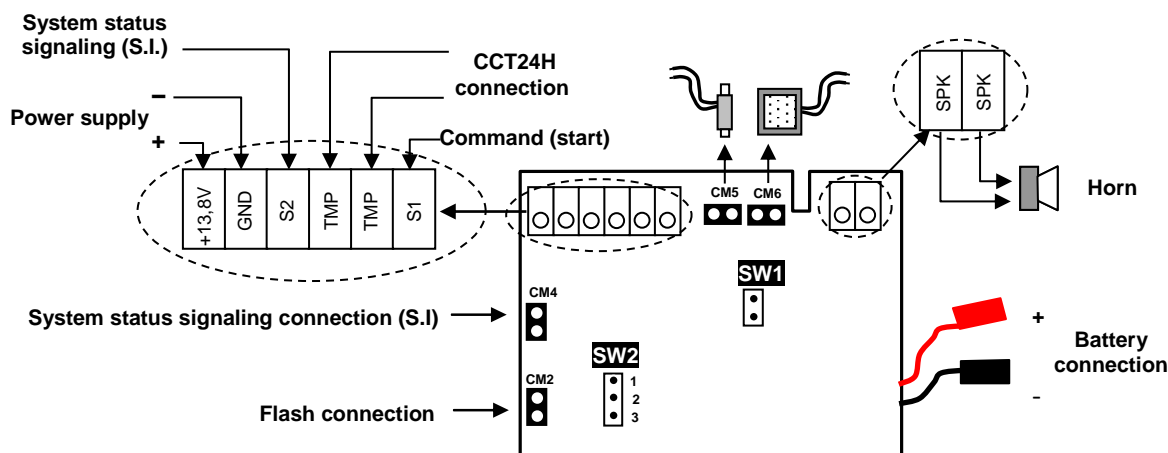
Issued by:
 Vanderbilt
 Clonshaugh Business and Technology Park
 Clonshaugh
 Dublin
 D17 KV84
 Ireland
www.service.vanderbiltindustries.com

Edition: 06.04.2017
 Doc ID: I-200162-1



- Easy to install
- Design suitable for all installations
- 2 or 3 wire connection
- Automatic learning of command type
- Flashing LED
- System status signaling
- Acoustic low battery signaling
- Antifoam system

Layout of electronic card



1.1 Terminal block, connectors and selectors description

1.1.1 Terminal block M1

- +13,8V** Positive supply
- GND** Negative supply
- S2** System status signaling (+13,8V to activate red LED, used for confirmation of activation, or power applied)
- TMP** Connection CCT24H line
- TMP** Connection CCT24H line
- S1** Command – Start - (**programmable**) activation horn / flash

1.1.2 Terminal block M2

- SPK** Horn connection (*factory connection*)
- SPK** Horn connection (*factory connection*)

1.1.3 Connectors

- CM2** connection flash (*factory connection*)
- CM4** connection system status signaling S.I. (*factory connection*)
- CM5** connection tamper device (*factory connection*)
- CM6** connection antifoam system device – only for AF version – (*factory connection*)

1.1.4 Selectors

- SW1** Selector type of command. Factory set at +13,8V, change link for GND activation
- SW2** System status signaling S.I. through Terminal block M1, connection S2. Fixed at +13,8V. The factory default is constant, position 2, 3. Option for flashing LED is position 1, 2.

Installation

Fix the base

Secure the base to the wall using the fixing holes (1) in the base.

Centre the base

Use the spirit level (2) to center the base.

Insert tamper device

Insert and fix the screw (3).

Insert the anti-foam device

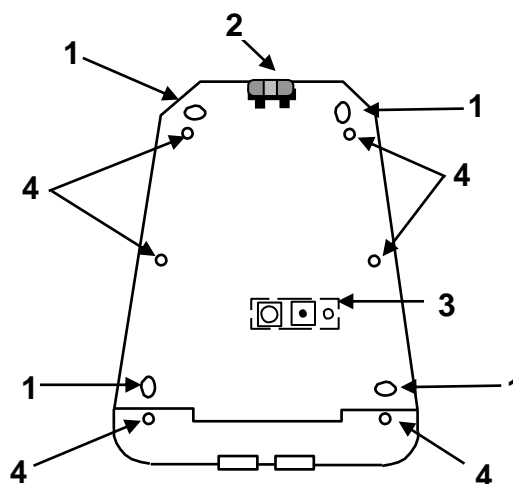
Complete all electrical connections as detailed above and overleaf.

Fix internal cover

Fix the internal cover (4).

Close the siren

Close the siren with the external cover with the supplied screw and cover the screw with the plastic screw cap.



Electronic connection

Two wire connection

Connect +13,8V and GND from the control panel and jumper +13,8V and the S1 Start terminal block. (only with default SW1 OPEN)

Three wire connection

Connect +13,8V and GND from the control panel and connect a command signal to the S1 Start terminal block.

SW1 Select the type of start:

- For positive command, open the bridge. (DEFAULT)
- For negative command, close the bridge.



The siren automatically learns if the start command voltage is applied or removed. With SW1 open, apply +13,8 and the siren learns that the start command is +13,8 removed. With SW1 closed apply GND and the siren learns that the start command is GND removed.

Automatic learning command

When the power supply is connected to the siren, the siren beeps once. After 30 seconds the siren beeps 3 times.

3 beeps mean that the siren has automatically learned the command.

The siren is now ready to operate.



If the automatic learning command does not execute correctly:

Disconnect the siren from the power supply (from the control panel and from the battery).

Check all the connections.

Reconnect the siren to the power supply (from the control panel and from the battery).

SW2 Select the type of system status signaling:

- For LED fixed light, closed the bridge on 2-3.(default)
- For LED pulsing light, close the bridge on 1-2.

CCT24H Line

Connect the line CCT24H coming from the central unit to the 2 terminals "TMP".

Battery connection

Connect the battery pack using the "faston" connectors.



Observe the correct battery polarity

Place the battery pack in the siren.

Technical features

| | | |
|----------------------------|---------------|--|
| Power supply | Nominal value | 13.8 V |
| | Minimum value | 9 V |
| | Maximum value | 16.0 V |
| Power consumption | Maximum value | 1.6 A |
| | Stand-by | 4mA (without battery) |
| Frequency | | 1.590Hz |
| Sound pressure | | 103dB (A) at 3m V.n. = 12 V |
| Input protection | | IP 34 |
| Outdoor temperature range | | -25 to + 55 °C |
| Temporization | | 10 min (3 cycles of 3' with 30"of break) |
| Battery capacity | | 12V 2,3Ah max. |
| Control unit command cable | | 2 or 3 wire |
| Dimensions | | 220 x 283 x 82mm (L x H x W) |
| Weight | | 1.700g |

Ordering information

| Type | Order code | Description |
|----------|------------------|--|
| SA100-AS | V54539-Z131-A100 | Self-powered, self-protected, antifoam |

| Accessory | | | |
|-----------|------------------|-----------------------------------|---------------|
| Type | Order code | Description | Certification |
| PS1221 | N54545-Z155-A100 | 12v 2.1Ah flame retardant battery | VdS G103145 |