

Bella I™ Siren and Strobe

INSTALLATION INSTRUCTIONS

Item: 4729 (A5DS)

Description

Bella I is an outdoor Siren & Strobe for intruder and fire alarms, compatible with DC 12V alarm panels. The compact and heavy-duty plastic case is tamper foaming protected, suits indoor and outdoor applications. For high reliability the Bella electronic circuitry is sealed and protected in separate internal housing.

This manual is for the Bella I (Siren and Strobe) and Green siren model IPS

Few Bella versions are available:

Bella I: Outdoor cabinet Piezo Siren, LED Strobe light, Dual Tamper switch

Bella IPS: Outdoor (Power Save) Piezo Siren, LED Strobe light, Dual Tamper switch

Bella I AS: Same as Bella I plus –STB terminal for separate Strobe trig (Australia & UK)

Bella IS: Outdoor cabinet Speaker Siren, LED Strobe light, Dual Tamper switch

Bella I, Bella IPS: During alarm the siren and strobe light are activated simultaneously both at the same time.

Installation Instructions

Step One: Location

Open the front cover by removing the screw. Locate the siren in a hard-to-access location, as high as possible, away from water and rain sources.

Use four (4) screws to attach the siren housing to a solid wall.

Step Two: Wiring (refer to figure 1 and 2)

1. Disconnect DC Power and battery at control panel

2. The Bella is compatible with most alarm panels, operates with or without battery.

If an EasyLoader panel is connected: Verify that address 072 option 1 (Bell Mode) is programmed (should be as it's Factory Default).

Bella I: Connect the +TRG from Bella to +SIR, the –SIR to –SIR, or apply 12V DC.

Bella I AS: To activate the strobe apply –V from the SLO output to –STB at the siren.

To activate the strobe with siren at once connect the –STB to –SIR both at siren.

-SIR	- DC input to drive the siren. Connect this terminal to the control panel –SIR.
+TRG	Siren activated when applying +V to this terminal (terminal is referred to –SIR). Connect +TRG it to +SIR at the panel. Apply here positive (+12V) to alarm.
-STB	Bella I AS version only: Activate the Strobe by applying -V
TMP	Tampers contact. Connect to zone input
TMP	Tampers contact. Connect to zone common input

3. Wire the Tamper from 'TMP' two wires terminal to a zone in the control panel. Program the Tamper zone as 24H or Tamper type.

**Bella is a security device, test operation once a week or more.
Advise your customer to perform test once a week.**

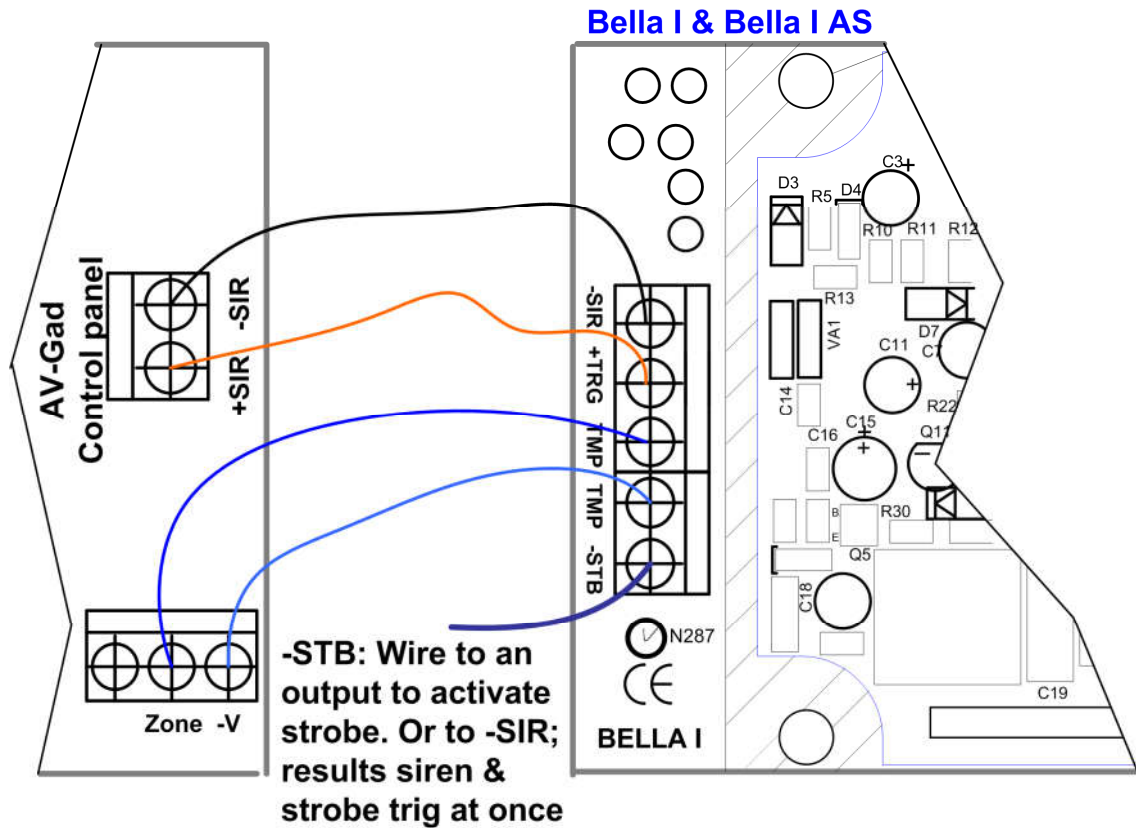


Figure 1: Bella I/IPS wiring (not including the AS version)

Step Three: Powering-up

1. After the wiring to the panel is completed, re-check the polarity
2. Close the siren cover to prevent alarm caused by the Bella tamper switch
3. Power-up the control panel.

Step Four: Testing

Close the Bella box. Generate alarm condition; check if siren and strobe are functioning correctly. Bella circuitry is protected against high voltage supplied (over 14V) to +TRG, if such supplied the siren operation is blocked.

Open the box for Tamper alarm test, verify alarm generated. Close the cover and tight the screw mounted in the front face. Note: Consider strobe lens cleaning service once a year.

Bella I Specifications	
Operating Temp: -25 to +60 C°	Strobe source: High Power LEDs (3)
Humidity: 80%	Strobe output: 40,000 candles
DC Input: 11 – 14.2V	Cabinet Type: ABS @ IP55
Standby Current: 20 mA	Piezo Siren: Reflexive Piezo Ceramic
Current (Sir & Strobe): 0.25 @IPS/ 0.38A	Tamper: Wall Removal & Case Open
Sound level: 110 dB @ 1 m	Size: H=22, W=15, D=9 (cm)
Strobe flash rate: One per 2 seconds	Weight: 1 kg

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