Base Beacon Sounder

DSS-PC-I33

Instruction Sheet

R10156GB0

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1 Base Beacon Sounder DSS-PC-I33

Esmi Base beacon sounder DSS-PC-I33 with isolation is compatible with Esmi Fire Detection Systems and SLC loop controller (159+159 addresses per loop).

1.1 Continuity Spring

The B501AP incorporates a continuity spring between terminals 2 and 4. This allows the continuity of the field wiring to be checked without the need for the device to be present. Inserting the device. Inserting the device will disengage the spring. Removing the device will close the loop.

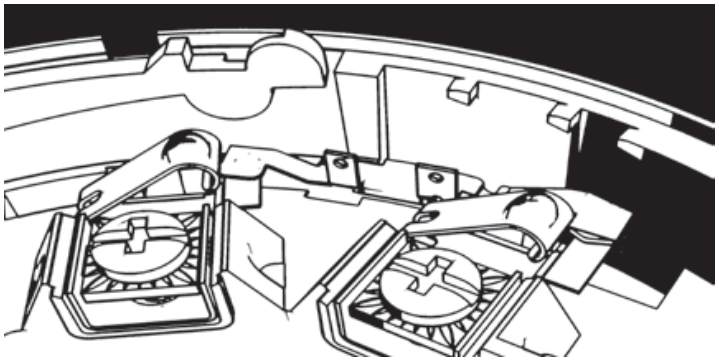


Figure 1. Continuity spring between terminal 2 and 4

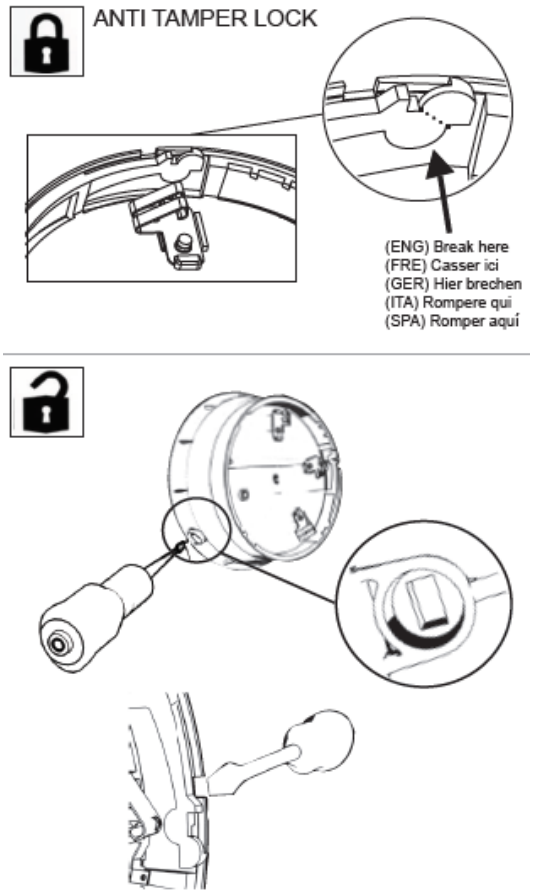


Figure 3. Anti tamper lock

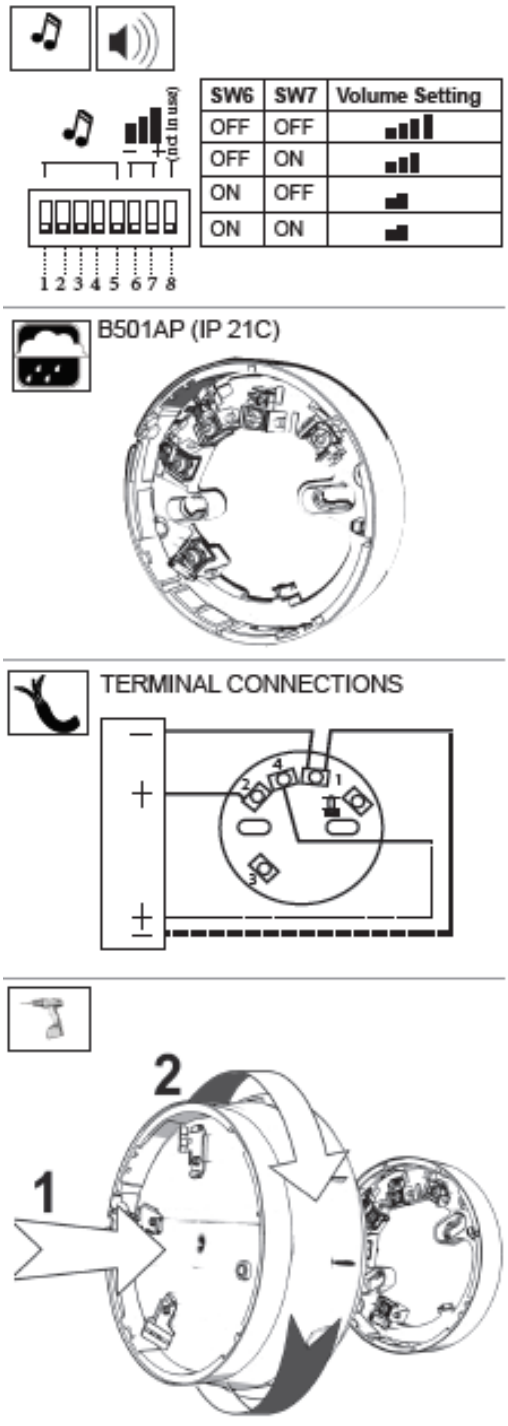


Figure 4. Functions in Esmi Base beacon sounder DSS-PC-I33

1.2 Two rotay switches

To set one of the 159 available addresses for the device use the two rotay switches located either side of the dip switch unit. The `tens` digits go from 0 to 15 and the `units` from 0 to 9. *100 - 159 Only available with advanced protocol.

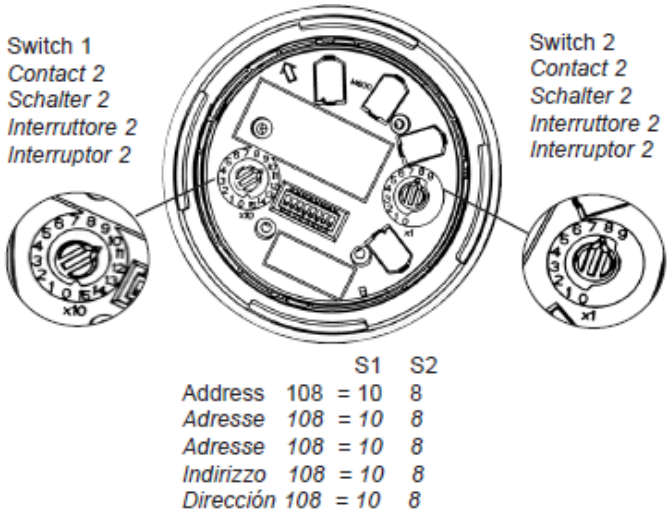


Figure 5. Two rotay switches in Esmi Base beacon sounder DSS-PC-I33

1.3 Dimensions

When installed on a ceiling in any given orientation, the specified light coverage shape and value is achieved. This is approximately a cone of light projected at 60° base angles from the device center with a depth of 2.5m and diameter of 2.2m.

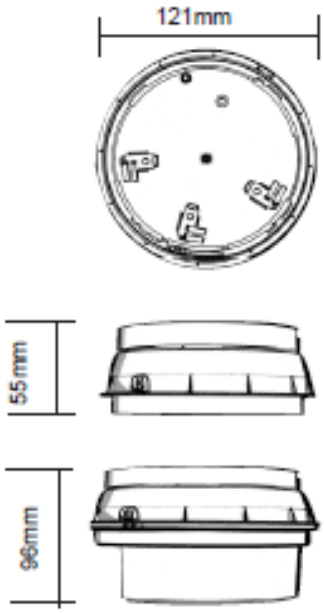
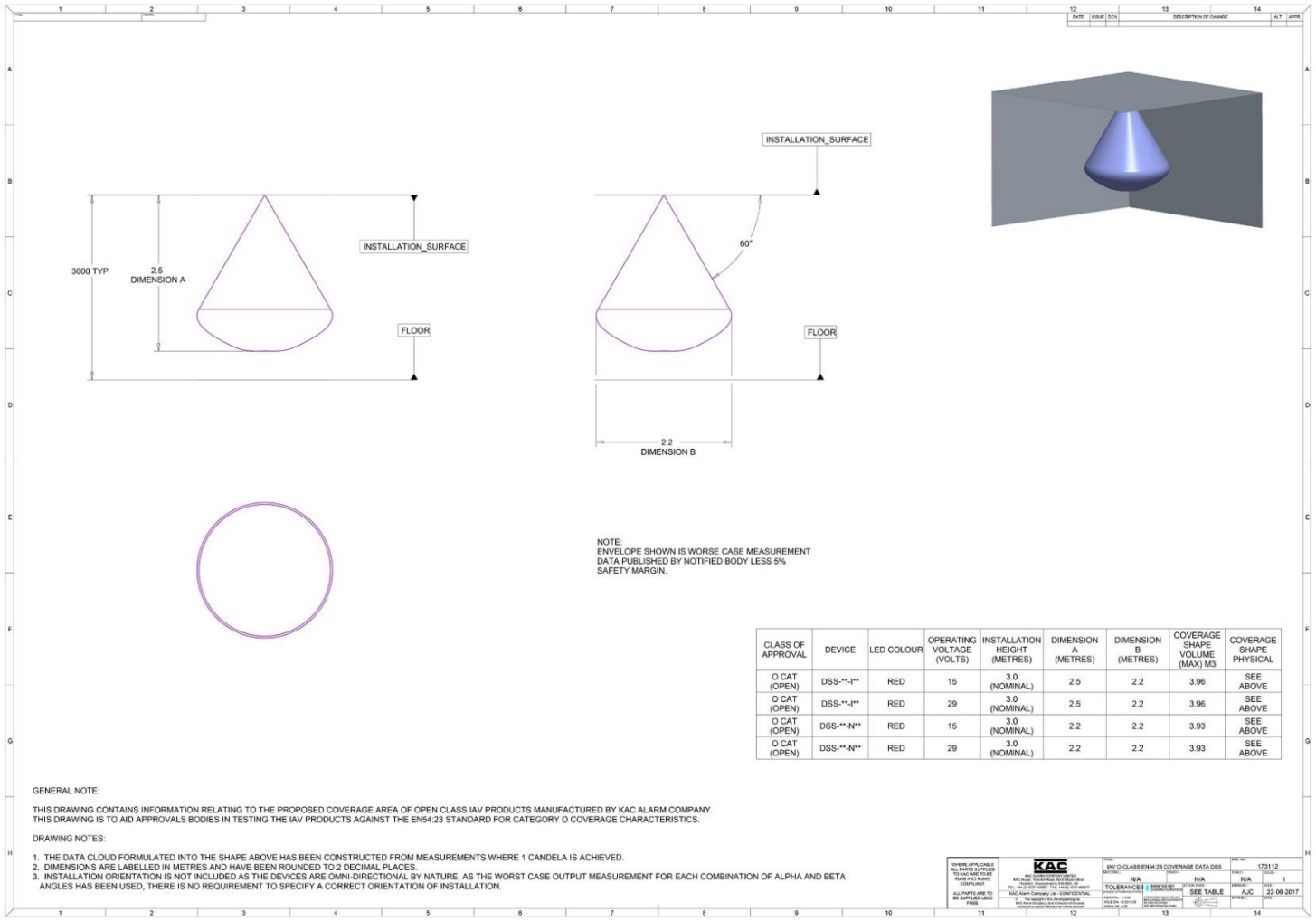


Figure 6. Dimensions in Esmi Base beacon sounder DSS-PC-I33



CLASS OF APPROVAL	DEVICE	LED COLOUR	OPERATING VOLTAGE (VOLTS)	INSTALLATION HEIGHT (METRES)	DIMENSION A (METRES)	DIMENSION B (METRES)	COVERAGE SHAPE VOLUME (MAX) M3	COVERAGE SHAPE PHYSICAL
O CAT (OPEN)	DSS-**-I**	RED	15	3.0 (NOMINAL)	2.5	2.2	3.96	SEE ABOVE
O CAT (OPEN)	DSS-**-I**	RED	29	3.0 (NOMINAL)	2.5	2.2	3.96	SEE ABOVE
O CAT (OPEN)	DSS-**-N**	RED	15	3.0 (NOMINAL)	2.2	2.2	3.93	SEE ABOVE
O CAT (OPEN)	DSS-**-N**	RED	29	3.0 (NOMINAL)	2.2	2.2	3.93	SEE ABOVE

GENERAL NOTE:

THIS DRAWING CONTAINS INFORMATION RELATING TO THE PROPOSED COVERAGE AREA OF OPEN CLASS IAV PRODUCTS MANUFACTURED BY KAC ALARM COMPANY.
THIS DRAWING IS TO AID APPROVALS BODIES IN TESTING THE IAV PRODUCTS AGAINST THE EN54:23 STANDARD FOR CATEGORY O COVERAGE CHARACTERISTICS.

DRAWING NOTES:

1. THE DATA CLOUD FORMULATED INTO THE SHAPE ABOVE HAS BEEN CONSTRUCTED FROM MEASUREMENTS WHERE 1 CANDELA IS ACHIEVED.
2. DIMENSIONS ARE LABELLED IN METRES AND HAVE BEEN ROUNDED TO 2 DECIMAL PLACES.
3. INSTALLATION ORIENTATION IS NOT INCLUDED AS THE DEVICES ARE OMNI-DIRECTIONAL BY NATURE. AS THE WORST CASE OUTPUT MEASUREMENT FOR EACH COMBINATION OF ALPHA AND BETA ANGLES HAS BEEN USED, THERE IS NO REQUIREMENT TO SPECIFY A CORRECT ORIENTATION OF INSTALLATION.

KAC

IAV O-CLASS EN54:23 COVERAGE DATA DSS

173112

N/A

N/A

1

TOLERANCES

SEE TABLE

AJC

22-06-2017

Figure 7. Coverage volume of Esmi Base beacon sounder DSS-PC-I33 and DSS-PC-N33