![Protec - Protec Fire Detection plc]

6000/SSR/LED Electronic Sounder Beacon

- **Protec AlgoTec™ 6000 Protocol**

- **Loop Powered**

- **High Output Electronic Sounder**

- **High Intensity LED Beacon**

- **Low Current Consumption**

- **Integral Short Circuit Isolator**

- **Weatherproof to IP65**

- **Choice of Colours**

The 6000/SSR/LED comprises a high output electronic sounder and high intensity flashing beacon array. Combining the two functions in one compact design, improves the aesthetic appearance and simplifies the installation of the device.

The 6000/SSR/LED is a low current loop powered addressable device utilising the Protec Algo-Tec™ 6000 protocol. With typical sound output of 100dB(A) at 1m, the tone and volume options are selectable by the control panel. The beacon has an array of high intensity LED's with a flash rate of 1Hz. The Sounder and beacon activate together. The 6000/SSR/LED incorporates a loop short circuit isolator to enhance the system integrity. Designed to comply to all relevant CE and LVD standards.

Available in a choice of lens and body colours, the 6000/SSR/LED has an IP65 rating making the product suitable for mounting internally or externally.

The 6000/SSR/LED/RED is an ideal addition to any fire alarm system providing a clear audible and visual indication of fire alarm, for users with hearing or visual impairment.

As Protec are specialists in the safety systems market, our main objective is to produce high quality and reliable products. Manufacturing at our UK based facilities, our in-house design team develop innovative products which are produced using the latest manufacturing techniques with in-line automatic test equipment to ensure consistent high quality and reliability.

6000/SSR/LED/RED

6000/SSW/LED/RED

6000/SSW/LED/CLEAR

**6000/SSW/LED/AMBER**

6000/SSW/LED/BLUE

6000/SSW/LED/GREEN

6000/SSR/LED Technical Specification

Dimensions

91.5

114.4
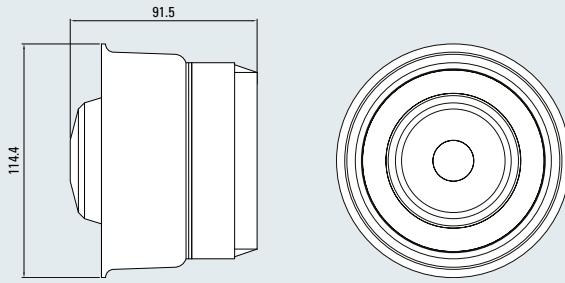
Loop Wiring

PCB Connection Details Rear View (Gland Box Removed)

TOP

LOOP+
LOOP-

RVAV LED

REMOVABLE
SERIAL No.
LABELS
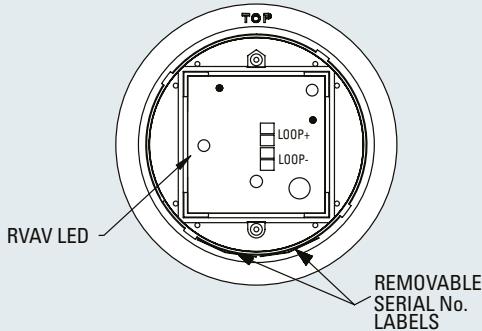
Technical Specification:

Loop Powered	Yes
Loop Standby Load	700µA
Loop Alarm Load	10mA
Number of Addresses	1
Loop Isolator	Yes
Output Details	Piezo sounder and array of 18 Red high intensity LED's. Flash rate 1Hz
Weight	273g
Temperature Range	-10°C to 55°C
Humidity	0 to 85% RH non condensing
IP Rating	IP65
Construction	ABS Base & Body/Polycarbonate lens
Applicable Standards	Designed to EN54 Part 3 & 17 Compliant to CE and LVD standards
Device Protocol	Algo-Tec™ 6000

FAST™ Addressing

FAST™ (Firmware Addressed Secure Technology). Each Algo-Tec™ 6000 device is manufactured with a unique serial number factory programmed (firmware embedded) and device label. The label includes the serial number on 2 bar-coded segments, 2 of which are removable by the installer (one is a spare). The label is attached to an address location booklet, which is handed to the engineer prior to commissioning. During commissioning the engineer scans the address location booklet to download the loop, address and serial number details. The downloaded data is then checked and stored within the secure non-volatile memory of the control panel and the addressing is complete. FAST™ and easy, eliminating troublesome and time consuming setting of address cards and DIL switches. FAST™ addressing is more secure than 'SOFT ADDRESSING' and easier to extend or amend, allowing greater flexibility and reduced costs.

Model References

Product Code	Colour Options
6000/SSR/LED/RED	Red Lens (Red Body/Base)
6000/SSW/LED/RED	Red Lens (White Body/Base)
6000/SSW/LED/CLEAR*	Clear Lens (White Body/Base)
6000/SSW/LED/AMBER	Amber Lens (White Body/Base)
6000/SSW/LED/BLUE	Blue Lens (White Body/Base)
6000/SSW/LED/GREEN	Green Lens (White Body/Base)

NOTE: All the Model References above are loop powered addressable devices, supplied with a low profile base.
An optional deep base (below) can be purchased separately to allow surface wiring to be terminated directly into the base.
*This unit will flash red.

29-982-75	Red Deep Base
29-983-76	White Deep Base
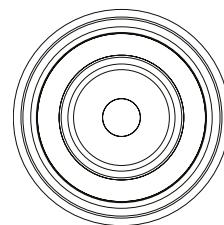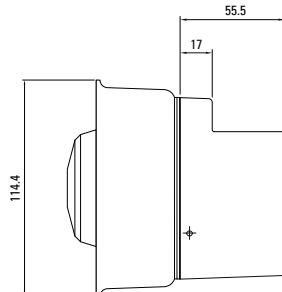
No	Tone Options
1	Warble 990Hz 250ms 665Hz 250ms
2	Continuous Tone at 990Hz
3	Pulse Tone 990Hz 500ms Silence 500ms

NOTE: The tone and volume are selectable at the control panel. Volume options - High-100, Mid-95, Low-75 dB(A)

Deep Base Dimensions (mm)

55.5

17

114.4