

## 6000/SSR2 Electronic Sounder

- Protec AlgoTec™ 6000 Protocol
- Loop Powered
- High Output Electronic Sounder
- Low Current Consumption
- Integral Short Circuit Isolator
- Weatherproof to IP65
- Choice of Colours
- Approved to EN54 Part 3 & 17



The 6000/SSR2 addressable loop powered high output electronic sounder designed by Protec in house developers, utilises a Piezo driver unit to enable high sound output and very low current consumption. With two base options and improved aesthetic appearance the 6000/SSR2 simplifies the installation of the device.

The 6000/SSR2 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 sounder has 3 different tones (warble, continuous and pulse) selectable at the control panel. Volume can be adjusted between 100, 95 and 75 dB(A), again at the control panel. The 6000/SSR2 incorporates a loop short circuit isolator to enhance the system integrity and is designed to comply to all relevant CE and LVD standards.

Available in either Red or White body colours, the 6000/SSR2 has an IP65 rating making the product suitable for mounting internally or externally. An optional deep base allows surface mounted cable to be terminated directly into the sounder.

The 6000/SSR2 is an ideal addition to any fire alarm system providing a clear audible indication of a fire alarm.

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/SSR2**



**6000/SSR2 + 29-982-75**



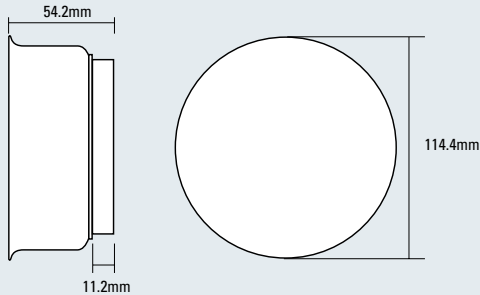
**6000/SSW2**



**6000/SSW2 + 29-983-76**

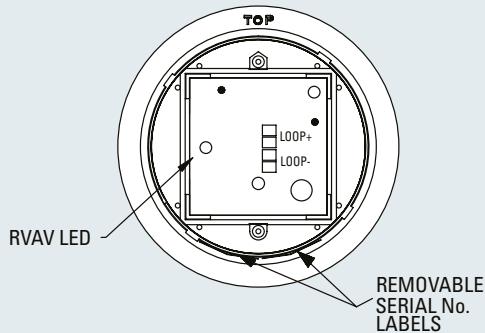
## Technical Specification

### Dimensions (mm)



### Loop Wiring

PCB Connection Details Rear View (Gland Box Removed)



### Technical Specification:

Humidity	0 to 85% RH non condensing
Temperature Range	-10°C to 55°C
IP Rating	IP65
Weight	244g
Loop Powered	Yes
Loop Standby Load	700µA
Loop Alarm Load	5mA
Number of Addresses	1
Loop Isolator	Yes
Output Details	Piezo sounder. Sounder tone and volume selectable at the control panel
Construction	ABS Base & Body
Device Protocol	Algo-Tec™ 6000
Relevant Standard	EN54 Part 3 & 17

### 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/SSR2	Addressable Red Sounder & Base
6000/SSW2	Addressable White Sounder & Base
<b>NOTE:</b> 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.	
29-982-75	Red Deep Base
29-983-76	White Deep Base

### Tone Options

Warble Tone: 990Hz(250ms), 665Hz(250ms)  
Continuous Tone: 990Hz  
Pulse Tone: 990Hz(500ms), Silence(500ms)

### Tone Volume Options

The tone and volume are selectable at the control panel (measured at one metre):  
High: 100dB(A), Mid: 95dB(A), Low: 75dB(A)

### Deep Base Dimensions (mm)

