Protec Fire Detection plc

6000*PLUS*/TSR2/LED
Talking Sounder Plus LED Beacon

- **Protec Algo-Tec™ 6000*PLUS* Protocol**
- **Voice Enhanced 'Talking' Sounder**
- **Integrated High Intensity LED Beacon**
- **Seven Selectable Voice Messages**
- **Bell Sounder**
- **Programmable Volume Control**
- **Three Fire Alarm Tones**
- **Loop Powered**
- **Low Current Consumption**
- **Integral Short Circuit Isolator**
- **Weatherproof to IP65**
- **Choice of Colours**

For the ultimate method of alerting building occupants of the incidence of an emergency, the Protec Algo-Tec™ 6000*PLUS*/TSR2/LED is equipped with an integrated voice enhanced sounder and high intensity flashing beacon array. The talking sounder is capable of delivering synchronised alert and evacuate messages around a building, removing any ambiguity, particularly for anyone unfamiliar with the building alert and evacuation strategy, enabling a more prompt and safe building evacuation. Combining the talking sounder and beacon functions in one compact design improves the aesthetic appearance and simplifies the installation of the device.

The 6000*PLUS*/TSR2/LED voice enhanced talking sounder is available with seven voice messages plus 'bell' sound in addition to the three fire alarm tones compatible with the Protec range of electronic sounders.

All voice messages, bell sound and alarm tones are selectable from the control panel, along with volume adjustment.
The beacon has an array of high intensity LED's with a flash rate of 1Hz.
A loop short circuit isolator is incorporated
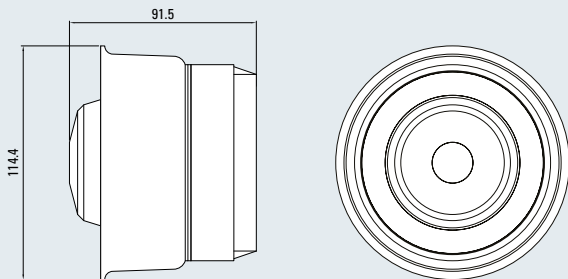
to enhance the system integrity.

Available in a choice of lens and body colours, the 6000*PLUS*/TSR2/LED 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.

Standard Messages

1) *"Attention please, attention please. Fire has been reported in the building, please leave the building immediately by the nearest exit"*

2) *"May I have your attention please, an incident has been reported in the building please listen for further instructions"*

3) *"Attention, attention. This is an emergency. Please leave the building by the nearest available exit"*
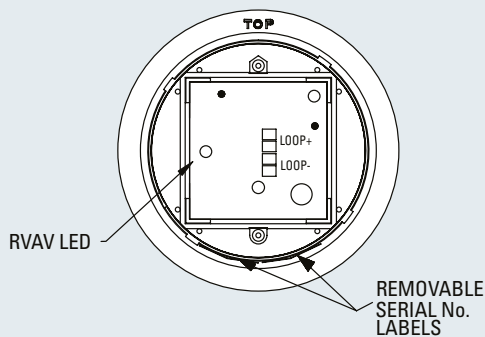
4) *"This is a test message, no action is required"*

A D D R E S S I N G   S A F E T Y   S Y S T E M S   W I T H   I N T E L L I G E N C E

6000*PLUS*/TSR2/LED
Technical Specification

Dimensions (mm)

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:

Environment	-10°C to 55°C (85% RH non condensing)
Ingress Protection	IP65
Applicable Standards	Designed to EN54 Part 3 & 17 Compliant to CE and LVD standards
Weight	244g
Loop Powered	Yes
Loop Standby Load	0.7mA
Loop Alarm Load	11mA (14mA Bell Sound)
Loop Voltage	18 - 28V
Loop Isolator	Yes
Sounder Volume	93dB(A) (High), 75dB(A) (Mid), 65dB(A) (Low)*
Beacon Flash Rate	1Hz
Output Details	Piezo sounder. Sounder tone Voice Message and volume selectable at the control panel Array of 18 Red High Intensity LED's
Construction	ABS Base & Body/Polycarbonate Lens
Device Protocol	Algo-Tec™ 6000*PLUS*

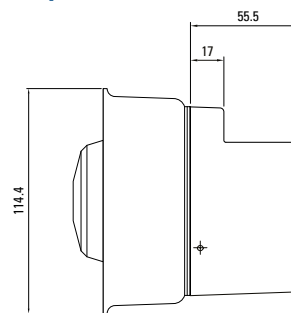** measured at one metre on axis*

Model References

Product Code	Colour Options
6000*PLUS*/TSR2/LED/RED	Red Lens (Red Body/Base)
6000*PLUS*/TSW2/LED/RED	Red Lens (White Body/Base)
6000*PLUS*/TSW2/LED/CLEAR*	Clear Lens (White Body/Base)

Product Code	Colour Options
29-982-75	Red Deep Base
29-983-76	White Deep Base

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

Deep Base Dimensions (mm)

55.5

17

114.4

Talking Sounder Message Set

Message Number	Description	Preamble Tone	Duration(s)	Message Text
1	Female evacuation V1	Warble	9.4	Attention please, attention please. Fire has been reported in the building, please leave the building immediately by the nearest exit
2	Female alert	Pulse	7.5	May I have your attention please, an incident has been reported in the building please listen for further instructions
3	Female evacuation V2	Warble	7.5	Attention, attention. This is an emergency. Please leave the building by the nearest available exit
4	Female test	Warble	3.5	This is a test message, no action is required
5	Male evacuation V2	Warble	8	Attention, attention. This is an emergency. Please leave the building by the nearest available exit
6	Male alert	Pulse	8.1	May I have your attention please, an incident has been reported in the building. Please listen for further instructions
7	Male test	Warble	4	This is a test message, no action is required
8	Bell (accessed via msg 14/15)	None	Until Stopped	None
9	No tone or message	None	0	Used by control panel to allow user to 'turn off' sounder part of a talking sounder beacon
10	Bespoke message	W,P or C	max 10 sec	Client defined (must be stated when ordering sounder) additional cost
11	Warble electronic tone	None	Until Stopped	None
12	Pulsed electronic tone	None	Until Stopped	None
13	Continuous electronic tone	None	Until Stopped	None
14	Pulsed bell	None	Until Stopped	None
15	Continuous bell	None	Until Stopped	None

The preamble tone is played for 4 seconds, then a 1 second silence, then the message, then silence until the sequence is re-triggered. This sequence trigger is panel adjustable; preset to 15 seconds.