Addressable
Sounder and **Strobe**
Loop Powered
I-9407

Description

The I-9407 is a detachable, surface mounted loop powered sounder and strobe. The audio efficiency and sound distribution generate over 85 dB at 3 meter distance giving an excellent audibility from the device location. Using six highlights LED's for high intensity visual alarm to warn the people. The GST sounder series are convenient plug and turn installing method, two part construction with base mounted termination allows easy installation and avoiding the wiring and connection problem associated with traditional sounder.

Features and Benefits

- Loop powered high sound level
- Low power consumption
- High intensity LED cluster
- Remote start input can be used to drive with other systems
- Programmable alarm mode, evacuate or alert/evacuate mode
- Electronically addressable
- Easy installation and connection.
- Optional deep base for surface mount

Technical Specifications

- Manufactured Standard: EN54-3
- Sound Level Output
  Tone 1: Sound Level: 85dB~115dB (at 1m ahead horizontally (A weighted)
  Flashing Frequency:1.72×(1±20%)Hz
  Sound Pattern: 2.9KHz (150ms on /430ms off)
  Tone 2: 85dB~115dB (at 1m ahead horizontally (A weighted))
  Flashing Frequency:4.17×(1±20%)Hz
  Sound Pattern: 2.9KHz (150ms on /90ms off)
  (Refer to sound level data below)
- Operating Current:
  Loop: Standby-0.8mA; Alarm-9mA
- Operating Voltage: 24VDC
- Addressing: 1 or 2 using P-9910B
- Operating temp: -10°C to +50°C
- Relative humidity: 95%
- Application: Indoor use
- Protection rating: IP 33
- Material and colour: ABS, red (PANTONE 1795C)
- Wiring: 1 pair for loop
- Weight:355g (deep base); 327g
- Dimensions: φ110mm×97.5mm (Deep Base)
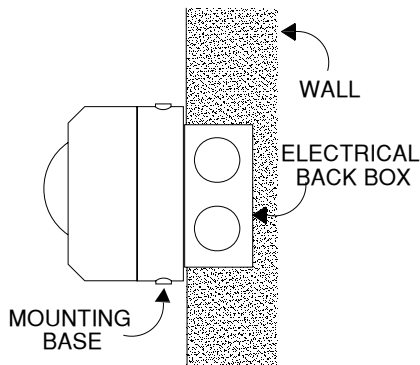 φ110mm×83mm (standard supplied)

Global System Technology PLC
www.gst.uk.com

D A T A   S H E E T
Note: Specifications are subject to change without notice.

Tone I (alarm), Maximum Volume

Angle	Horizontal		Vertical	
	16V	28V	16V	28V
15°	90.10	90.67	90.15	90.91
45°	91.50	93.97	91.57	92.93
75°	94.25	96.85	94.98	96.32
105°	94.43	96.22	94.42	96.67
135°	92.11	92.97	91.65	92.80
165°	90.20	90.84	90.15	90.98

Tone II (pre-alarm), Maximum Volume

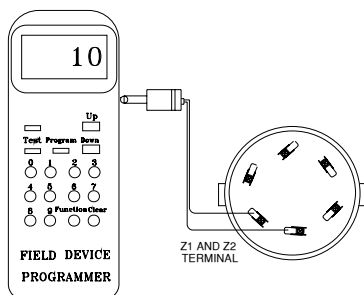| Angle	Horizontal		Vertical	
	16V	28V	16V	28V
15°	90.67	90.53	90.15	90.11
45°	91.50	92.20	91.61	92.40
75°	94.37	95.95	94.56	95.53
105°	94.65	95.13	94.91	95.15
135°	92.11	92.57	92.02	92.65
165°	90.10	90.41	90.78	90.11

Sounder Installation

The sounder should be installed in compliance with all local codes or BS5389 and EN54. It is installed onto a standard one gang electrical box with a mounting hole that has 6.5cm spacing.

WALL

ELECTRICAL BACK BOX

MOUNTING BASE

Programming

The address and mode of sound level of the sounder can be programmed using GST handheld programmer (P-9910), purchased separately. Connect the two wires of the handheld programmer to Z1 (2), Z2 (4) terminals of the sounder.fig1
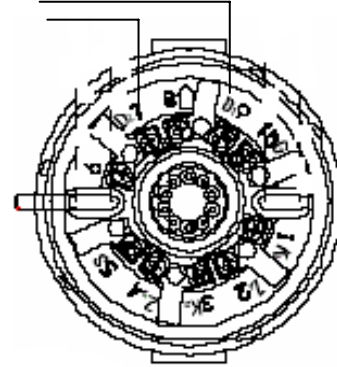

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Up

Test Program Down

B g FunctionClear

FIELD DEVICE PROGRAMMER

Z1 AND Z2 TERMINAL

FIELD DEVICE PROGRAMMER

Wiring and Connection

Connect the wires to the required terminal according to the wiring diagram. The Z1, Z2 connect to addressable fire detection loop, non-polarized. The cable must be fire rated type and the size depends on the wiring distance and application. Minimum size gauge 1.0mm²(18 AWG)

Power Supply

24Vdc

Selection of compatible Control Panels

Compatible with all GST Intelligent Fire Alarm Panels GST 100, GST 200/2 and GST IFP8

Ordering Information

Part Number: I-9407
Description: Adddressable Sounder Strobe Loop Powered
Weight / Kg.: 0.360
Pack Qty. per Box: 20

Accessories

Part Number: C-94DB
Description: Deep Base
Weight / Kg.: 0.070
Pack Qty. per Box: 100

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