

Intellia Sounder Addressable 100dB Weatherproof ESI-40

Instruction Sheet
R10025GB0



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1 Intellia Sounder Addressable 100dB Weatherproof ESI-40 overview

The Loop Powered 100dB Sounder is designed for use in open areas and can be connected to the Esmi Sense FDP detection system.

The Intellia series of products are all compatible with the ALC-board of an Esmi Sense FDP panel.

The 100dB sounder is connected to the FX loop and is powered and controlled via the loop by the control and indicating equipment.

A nominal sound output of 100 dB(A) is achieved at a current consumption of only 5 mA. The maximum number of sounders that may be connected to a particular loop should, however, be determined by a loop loading calculation (O1942GB).

1.1 Electrical considerations

The Loop Powered 100dB sounder is line powered and needs no external power supply. It operates at 17 – 28 VDC and is polarity-sensitive.

1.2 Tone Frequency and Volume control

The sounder produces a pulsed alert tone of 984 Hz, 1 second off and 1 second on, and a continuous evacuation tone of 644 Hz for 0,5 seconds followed by 984 Hz for 0,5 seconds.

The volume control can be used to adjust the sound from 100 dB(A) to 92±3 dB(A) if required.

The sounder also offers synchronisation of continuous and pulse tones. This ensures the integrity of the alert signals – tones from different sounders do not merge into one signal that could be mistaken for an 'evacuate' tone.

1.3 Addressing

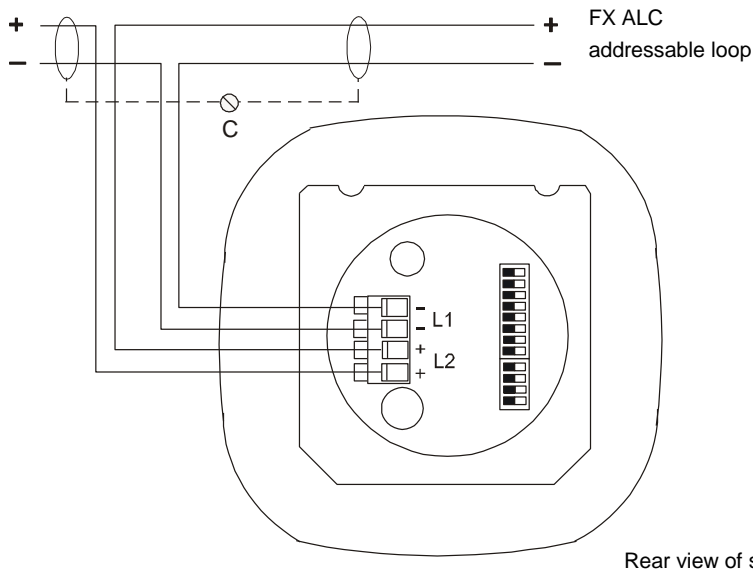
The Loop Powered 100 dB sounder responds to its own individual address set with a DIL switch.

1.4 Mechanical Installation

The Loop Powered 100dB sounder has a removable back box with 6 knockouts for surface mounting. It is moulded in red ABS.

The weatherproof version has a square back box with 3 centre points marked on the upper and lower faces.

1.5 Schematic Diagram & Wiring Connections



- L1 = Loop -
- L1 = Loop -
- +L2 = Loop +
- +L2 = Loop +

C = Additional connector for shield

Note!
L1 and L2 are polarity sensitive.

1.6 Product codes

| Product | Product code |
|--|--------------|
| Intellia Loop Powered 100dB Sounder ESI-40 | FFS0672 8040 |
| Loop-Powered 100dB Sounder, red | FFS0672 8050 |

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