Nexus AC Voice-Enhanced Sounder & Sounder-Beacon

Installation Instructions

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Installation

IMPORTANT

a. The unit should be fitted with a fused spur incorporating an all pole disconnection device providing 3mm contact separation in all poles. Ensure fuse, cable size and gland type are rated sufficiently for the total load on the sounder circuit.

b. Isolate the unit from the electricity supply before removing the cover. Only suitably qualified personnel should gain access to the unit to perform adjustments to the tone or volume. WARNING: no user serviceable parts contained within the unit.

c. The sounder is installed by first mounting the base unit and making the external wring connections to the base. The head unit then automatically connects when it is attached to the base.

d. The sounder head is separated from the base by unlocking the four ¼-turn fasteners in the corners of the sounder. (Recommended screwdriver: Philips No. 2, min 100mm long).

e. Note that the head only fits onto the base one way around. If a beacon is fitted, care should be taken when mounting the base to ensure that the beacon will be positioned in the desired orientation after the sounder is attached.

Wiring

a. Power: Note that the sounder and beacon have separate power terminals, marked as follows:

Device	Common (Neutral)	110V AC	230V AC
Sounder	N	110 ~	230 ~
Beacon (Where fitted)	N	110 ~ ☼	230 ~ ☼

b. Remote Message Switching (If required): Externally link control terminals (S2 and S3) to common terminal (marked) as shown below.

Connection to Terminal		Message	
S3	S2	**No.**	**Typical Use**
Open	Open	1	Alert
Open	Closed	2	Evacuate
Closed	Open	3	All Clear
Closed	Closed	4	Test

Configuration and Control

a. Messages

The sounder is supplied pre-programmed with up to four voice messages.

A library of alternative messages is supplied on the enclosed CD. Please refer to the CD for details of the available messages. Alternative messages and tones can be installed from a Windows PC via the integrated USB interface using the programming utility on the CD.

NOTE: the programming utility should be installed on the PC before the sounder is connected to the USB interface. Refer to the separate programming guide on the CD for details.

Custom messages can also be purchased from Texecom Ltd. Please contact Klaxon Sales on +44 (0) 1706 233879 or sales@klaxonsignals.com for details.

Messages supplied by Texecom are studio recorded using the services of a professional voiceover artist and are tailored to provide optimum clarity in the sounder.

b. Message Activation

In normal operation the message will play on a continuously repeating loop for as long as power is applied to the sounder. If required, the sounder can be pre-programmed to only play the message once by setting the alerting tone to Tone 64. See the programming guide on the CD supplied with the sounder for details.

c. Alerting Tone

If required, the type of tone and the tone volume can be changed using a PC and the USB interface.

d. Volume Control

The sound output of the unit can be reduced by adjusting the potentiometer.

Technical Specification

Supply Voltage Range	110 or 230V AC 50/60Hz
Current	Sounder - 30mA max Beacon (Where fitted) - 70mA Peak
Peak Sound Level (Alerting Tone)	103-115 dBA at 1m* (Typ. 110dBA@ 24V, Tone 1).
Peak Sound Level (Message)	95dBA at 1m*
Frequency Range	400-2900 Hz*
Operating Temperature	- 25°C to +55°C
Volume Control	20dBA typical
Remote Message Switching	Provision for 4 volt-free contact activated alarm stages
Casing	High Impact Polycarbonate/ABS
IP Rating	IP66
Synchronisation	Automatic with Klaxon Nexus and Sonos Voice-Enhanced Sounders

*depends on selected tone and supply voltage.

The European directive "Waste Electrical and Electronic Equipment" (WEEE) aims to minimise the impact of electrical and electronic equipment waste on the environment and human health. To conform with this directive, electrical equipment marked with this symbol must not be disposed of in European public disposal systems. European users of electrical equipment must now return end-of-life equipment for disposal. Further information can be found on the following website: http://www.recyclethis.info/.

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