Nexus DC Voice-Enhanced Sounder & Sounder with Beacon

klaxon® Installation Instructions

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Installation

a. 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.
b. The sounder head is separated from the base by unlocking the four ¼-turn fasteners in the corners of the sounder.
c. 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

The sounder and beacon have separate wiring terminals. Each terminal is duplicated to enable simple 'daisy-chain' connection of multiple units.

Line	Terminal Marking
Sounder Positive Supply (17 to 28VDC)	+
Sounder Negative Supply (0V)	-
Sounder Negative Supply (0V)	S2
Sounder Negative Supply (0V)	S3
Beacon Positive Supply (17 to 28V DC)	+
Beacon Negative Supply (0V)	-

Selection of the message the sounder plays is controlled by the combination of three negative supply connections as follows:

Connections to Supply Negative			Message	
S3	S3	-	No.	Typical use
Open	Open	Open	0	Off
Open	Open	Closed	1	Alert
Open	Closed	Open	2	Evacuate
Open	Closed	Closed	3	Test
Closed	Open	Open	4	All Clear
Closed	Open	Closed	5	(Free)
Closed	Closed	Open	6	(Free)
Closed	Closed	Closed	7	(Free)

Configuration and Control

a. Messages

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

A library of alternative messages can be downloaded from the relevant product page at www.klaxonsignals.com/fire. Alternative messages and tones can be installed from a Windows PC via the integrated USB interface using the voice signalling software provided on the website product page.

NOTE: The voice signalling software should be installed on the PC before the sounder is connected to the USB interface.

Custom messages can also be purchased from Texecom Ltd. Please contact Klaxon Sales on +44 (0)1706 234800 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 help section within the voice signalling software).

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.

e. Beacon Flash Controls (If fitted)

The flash mode of the beacon can be altered using the 2-way dipswitch marked ☼

	Xenon Beacon		LED Beacon	
Switch	**Off**	**On**	**Off**	**On**
1	60 flashes per minute	30 flashes per minute	Single Flash	Double Flash
2	Single Flash	Double Flash	Flashing	Static

Technical Specification

Supply Voltage Range ..... 17-28V DC
Current – Sounder 50mA
Current – Xenon Beacon (Where Fitted) ..... 350mA peak @ 24V DC
(60 single flashes per min.)
700mA peak @ 12V DC
(60 single flashes per min.)
Current – LED Beacon (Where Fitted) ..... 18mA (Flashing)*
..... 65mA (Static)*
Peak Sound Level (Alerting Tone) ..... 104-116 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 +70°C
Volume Control ..... 20dBA typical
Remote Message Switching ..... Provision for up to 7 messages
(Negative voltage activation)
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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