Fire-Cryer®
Voice Enhanced Sounders







DATASHEET

Voice Enhanced Sounders

The Fire-Cryer® voice enhanced sounder has been developed to counteract the ever-increasing problem of audible alarms being ignored. It eliminates any potential confusion by combining the normal sounder signal with a clear and unambiguous voice message.

The Fire-Cryer® can be both heard and understood.

The Fire-Cryer® requires no special wiring and can be retrofitted to existing installations meaning that in-situ wiring can be easily utilised. Fire-Cryer® sounders are fully synchronised and have an exceptionally low current consumption allowing simple replacement of existing sounders and bells.

Up to four different messages can be selected from a library of over 60 - with foreign language and bespoke messages also available. The Fire-Cryer's® clarity and high sound output using the existing 2-wire installation offers unmatched flexibility and ease of use.

The need to cater for the broad range of fire protection requirements has led to an extensive English and foreign language message library encompassing a huge diversity of evacuation, alert, test and all clear messages.

Consultants Specification

The fire alarm and detection system should incorporate the use of voice-enhanced sounders. The voice-enhanced sounders will have the ability to produce up to four messages using only one pair of wires per circuit and will be fully synchronised. The sounder circuit should have the ability to be monitored for both open-circuit and short-circuit fault conditions using conventional end-of-line monitoring devices.
The voice-enhanced sounders should have a low current consumption, typically 20mA, and when required, be installed within a deep weatherproof base to IP66.

The sounder system should meet the appropriate parts of British Standards BS 5839 Part 1 & Annex E of B S5839 Part 8.

Applications

The obvious choice for any installation where the fire alarm requires verification by voice, the Fire-Cryer® lends itself to an extremely wide range of applications. Typical examples include:

Shopping Centres

Most shopping centres have large voice evacuation systems incorporated within the PA system in public areas - but what about the individual units? The Fire-Cryer® can ease confusion for the public by instructing them in a concise and intelligible manner what emergency action should be taken.

Places of Public Entertainment

Night-clubs, concert halls and other entertainment venues can often be noisy and dark. Fire-Cryers® can be utilised in conjunction with a pre-alarm such as strobes or a coded message to staff and trained personnel followed by a clear and non-panic inducing evacuation instruction.

Areas of Mass Transit

The mass evacuation of an airport or railway station due to a false alarm is every facility manager's nightmare. The use of coded messages and time-out function in the Fire-Cryer® enables a period of verification prior to general evacuation.

Product Features

Fire-Cryer®

- Low current <20mA
- 4 messages on just 2 wires
- No special wiring, easily retro-fitted
- Fully synchronised
- Extensive message listings and coded and bespoke message options
- Deep base version available to IP66
- Accessories include Flush mounting bracket, flashing light bracket and Mains pack - see separate Accessories datasheet

Mini Fire-Cryer®

- Ultra-Slim base sounder designed to fit industry standard smoke and heat detectors
- Omni-directional sound output
- Choice of colour to match detectors from leading manufacturers
- Installer-friendly connections
- Suitable for ceiling or wall mounting
- Front plate for stand-alone use supplied as standard

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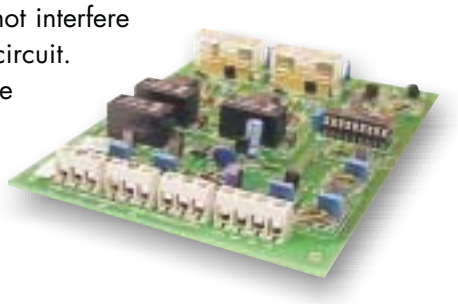
Message Selection

When choosing the Fire-Cryer® it is important that careful thought is given to the selection of messages. Default message one is normally the evacuation/fire message. Messages 2, 3 and 4 might constitute alert, test and all-clear announcements. It should be noted that message one always takes precedence over the other three messages.

Synchronisation and message switching is achieved by use of a small interface. This discrete unit is designed to be mounted between the control panel and the sounder circuit and will not interfere with the monitoring circuit. Several interfaces can be linked to give complete synchronisation across multiple sounder circuits.



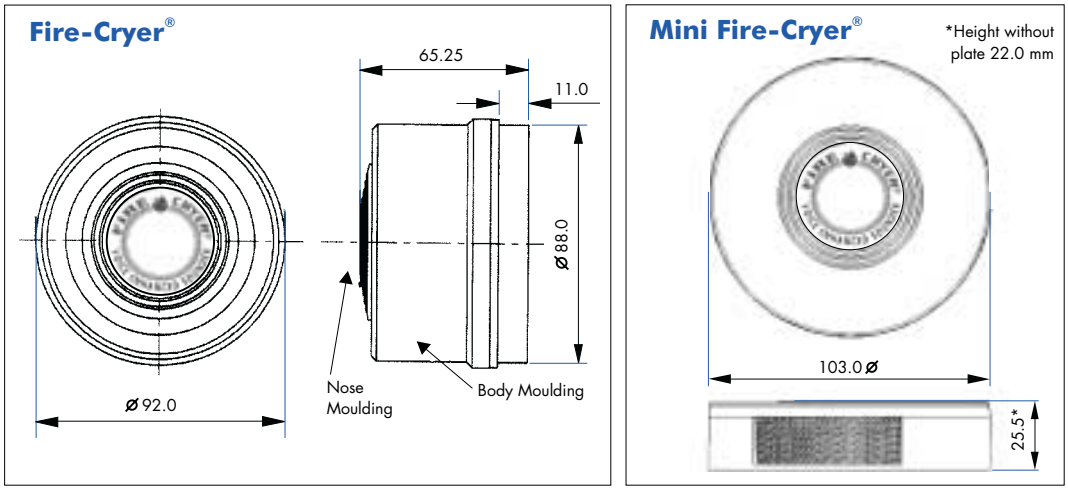
Specification

Voice Sounder

Model	Fire-Cryer®	Mini Fire-Cryer®
Operating Voltage	Nominally 24 Vdc ± 25%	
Current (Typical)	18mA	19mA
Sound Output (Typical):		
- Alert Fast Sweep to BS5839	100dBA	90dBA
- Voice Message	97dBA	86dBA
Weatherproofing	Standard Base: IP45	For internal use only
	Deep Base (Ext fixings): IP66	
Voice Synchronisation	Achieved via synchronisation interface	
Housing Material	Flame-retardant ABS	
Temperature Range	-40 to +70°C	
Colour	White (with red nose cap) or Red - company logo option	Colours matched to suit leading makes of fire detector
Connections	2x2 way, 2.5mm^2 terminal blocks for loop in/out wiring	

Synchronisation & Switching Interface p.c.b.

Model	Single Message	Multi-Message
Operating Voltage	Nominally 24Vdc - min 18Vdc, max 30Vdc	
Current (Typ) - Quiescent	None	6mA
- Message Mode	10mA	28mA
Inputs	2 x 24Vdc from sounder circuit, one 24Vdc auxiliary input (1 amp max.)	
Outputs	Two outputs independently fused at 500mA each	
Dimensions (mm)	100 x 75 x 25	100 x 90 x 25
Fixings	4 off 3.5mm diameter	
Mounting	4 off 3.5mm snap-in plastic support pillars	



Dimensions (mm)

Other Products

- Fire Alarm Bells
- Electronic Sounders
- Beacons and Strobe Lights
- Fire System Ancillaries
- Sounders and Strobes for Hazardous Areas
- Stopper Range of Vandal Deterrent Products
- Water Leakage Detection Systems