

Fire-Cryer™ Extinguishing Controller

The Fire-Cryer Extinguishing Controller (EP2) allows the integration of Fire-Cryer™ sounders with gas suppression systems, delivering the proven effectiveness of voice enhanced audible signalling.

The Controller can support up to four messages, with each message being elevated from one stage to the next. The unit can also broadcast a 'Hold' message, providing immediate re-assurance to room occupants who may need additional time to evacuate the protected area.

All voice messages and or tones must be selected and confirmed prior to an order being placed. Any message listed in the VimpeX library can be used, and custom recordings can also be provided.

Technical Information

To operate in any state including monitoring, the EP2 controller requires a 24V supply which is typically derived from the CIE or a local Power Supply Unit.

For all alarm stages, please see the process flow below:

1. Quiescent stage (board energised).
2. Constant 24V delivered to S1 or S2 inputs, the result being that the 1st stage message is broadcast.
3. Pulsed 24V delivered to the MA/2nd input, pulse frequency 1 second on & 1 second off, the result being that the stage 2 message is announced.
4. Continuous 24V delivered to the MA/2nd input, the result being that the 3rd stage message is delivered.
5. Pulsed 24V delivered to the MA/2nd input, pulse frequency 1 second on & 2 seconds off, the result being that the stage 4 message is broadcast.

Please note that each stage will override the previous stage. For stages 3, 4 & 5 either the S1 or S2 circuits must be constantly energised at all times.

If the Control Panel cannot deliver the required pulse frequency, then the EP2 can alternatively activate each stage by means of a closed relay contact (in-turn) to three inputs (labelled MA, MB and MC) on the board, these inputs will activate when linked with the 'COM' terminal.

It is imperative that the trigger configuration is confirmed with VimpeX when ordering the EP2, as our customisation team implement these software changes during the packing process and cannot be altered once on site.

Please view page 2 for example diagram ►



The EP2 Controller is also fitted with a Jumper Link (LK1); this must be out of circuit when the software is configured for a pulsing input, and in circuit when the EP2 is being driven by relay inputs.

Each sounder circuit is rated to take up to 1A, with the End of Line (EOL) resistor value dependent on the system used. Once installed, the EP2 is essentially seen by the control panel as a field device, and is monitored for faults just like any sounder would be.

The EP2 can additionally accommodate Auxiliary End of Line devices for both sounder circuits and the stage 2 input to prevent periodic EOL faults being signalled on the control panel (these must be the same impedance value as the true EOL devices).

The EP2 is compatible with all Fire-Cryer products in the VimpeX voice enhanced sounder range.

Specification

Weight:	0.10kg
Dimensions (L x W x H):	110mm x 72mm x 15mm
Pitch Dimensions (L x W):	102mm x 63.5mm
Operating Voltage:	20 - 28Vdc
Current Consumption (Monitoring):	18mA
Current Consumption (Alarm):	60mA + Sounder Load
Number of Fixing Holes:	4
Fixing Point Diameter:	3.88mm
Maximum permitted load per sounder circuit:	1A at 24Vdc
Ordering Part Number:	FC3/EP2/P

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*All variants of Fire-Cryer together with the EP2 Controller must be uploaded with the same message sequence.

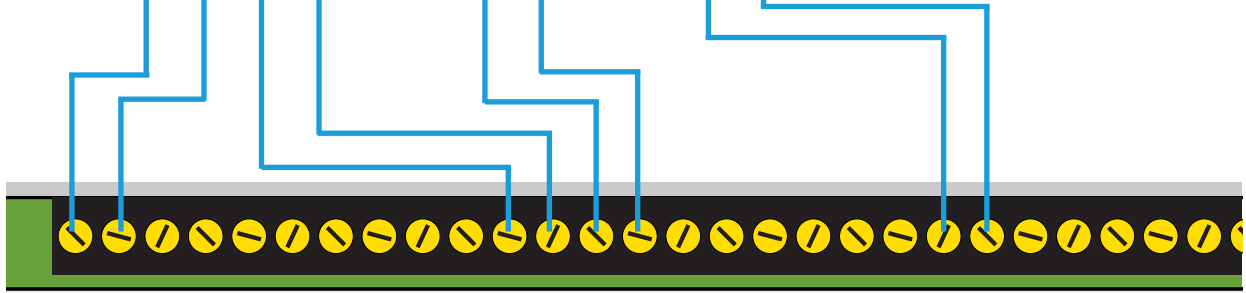
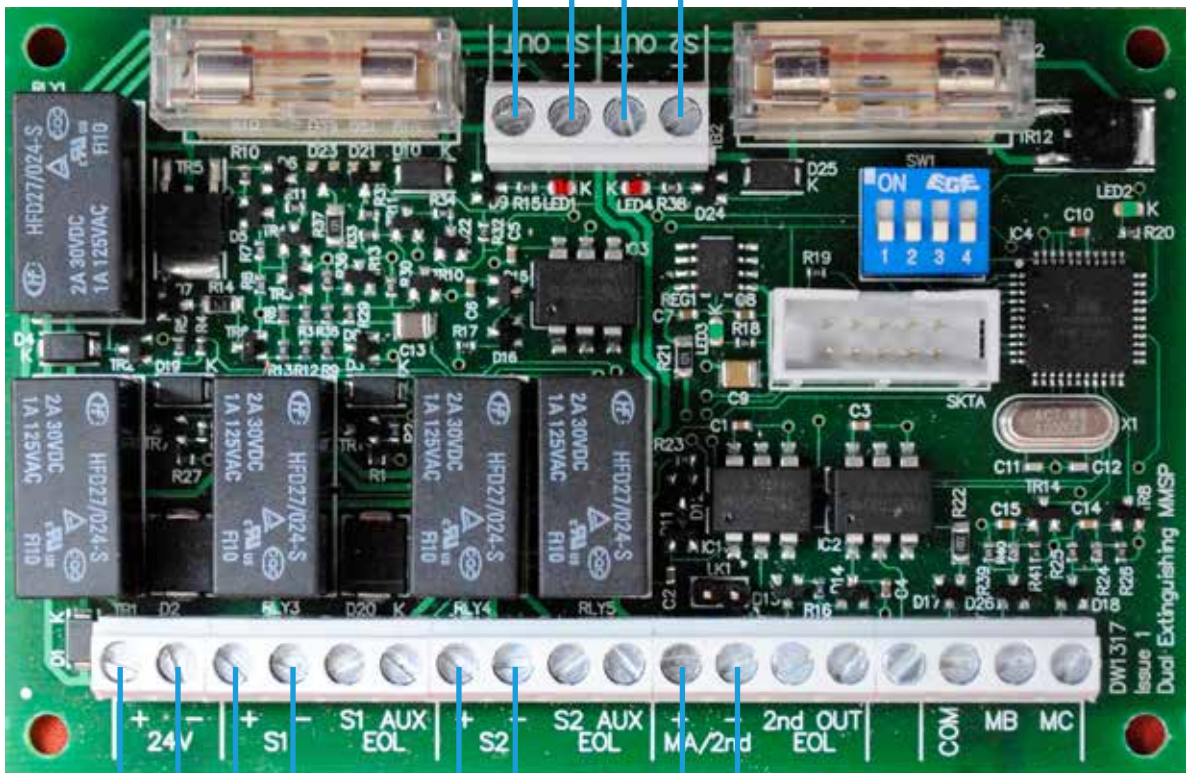


Maximum 25 Fire-Cryers without integral strobes



Maximum 12 Fire-Cryers with integral strobes

Installation example using Kentec XT Control Panel



+ 24V	- 24V	+ S1	- S1	+ S1 AUX EOL	+ S2	- S2	+ S2 AUX EOL	+ MA/2nd	- MA/2nd	+ 2nd OUT	- 2nd OUT	COM	MB	MC
AUX 24V		REMOTE CONTROL		DATA STATUS UNITS		S1	S2	ZONE 1	ZONE 2	ZONE 3	2ND SOUNDER		1ST STAGE	2ND STAG

