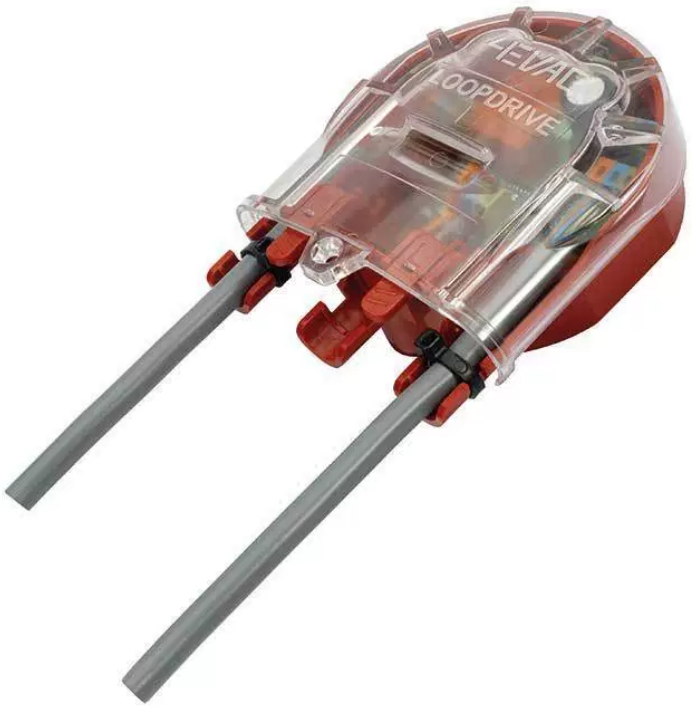
INTERNATIONAL FIRE PROTECTION



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4EVAC – New LoopDrive FIM Safeguards Any Voice Alarm / Voice Evacuation System

Launched in 2015 the LoopDrive Fault Isolator Module (FIM) integrates 4EVAC's patented technology to increase the reliability and heighten the performance of evacuation loudspeaker lines installed using the return-loop systems' design principle.

Unfortunately, despite flameproof cabling and cable enclosures and fire resistant loudspeakers, an entire VA/VE installation can still be vulnerable to damage caused by the emergency or just general systems failure.

The 4EVAC FIM was created to automatically detect any problems or failures on a loudspeaker line and isolate that section while ensuring messages are still being broadcast on the rest of the system.

In line with 4EVAC's ethos the LoopDrive FIM is simple to install and operate. Infinitely configurable it is a modular 'plug in and play' system. Saving costs with its simple integrative design, 4EVAC prides itself in minimising installation costs.

Manufactured to the highest specifications in Europe, the LoopDrive FIM is fully compliant and certified to both EN54-16 and EN54-17 regulations.

Fulfilling a market demand to ensure the integrity of any VACIE (voice alarm control and indicating equipment) system, LoopDrive FIM modules are placed between groups of loudspeakers in a loop.

If there is a short or other fault between any two isolators in the chain, both will switch immediately to open circuit status, which isolates the faulty loudspeakers in between. The other isolators on the system, plus the loudspeakers on the loop and the T-branch speakers of the FIMs that have been activated will continue to operate as normal.

Using this method the fault can be identified in under four seconds and bypassed. This means the transmission of emergency instructions is interrupted for only a very short time and continues once the hazard has been isolated on the loudspeaker circuit.


LOOPDRIVE
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Integrated Systems Europe
Albert van der Hout
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4EVAC's Business Development Manager Albert Van der Hout with the LoopDrive FIM.

FIM protects the loop's integrity against any open wire-to-wire short circuits, giving peace of mind that voice evacuation audio transmission will be not be interrupted, and that any emergency evacuation will continue, unimpaired by a short circuit or technical fault.

The LoopDrive Booster (LDB) is at the heart of the 4EVAC LoopDrive FIM system. It drives up to 200 FIM modules over a dual-core cable. A single LoopDrive Booster can channel 800 Watts of audio signal from an amplifier, whilst sending DC power to the loop and managing the FIM modules.

Making the LoopDrive FIM capable in the most demanding large-scale and complex installations up to 32 x LoopDrive Boosters can be attached onto a single DIN-rail providing DC-power for the RS485 data connection and General-Fault contact.

As a control interface the LoopDrive Booster is easy to control and navigate with front buttons and indicators, it gives the end user quick access to the functions and features of the systems' design that are simple to configure and control.

Further enhancing flexible operations for both the systems' integrator and the end user, the 4EVAC LoopDrive Sniffer offers a comprehensive Graphical User Interface (GUI), which allows up to 256 LoopDrive Booster units to be easily visualised, configured, installed, managed and controlled remotely over a single RS485 connection.

4EVAC's Business Development Manager, Albert Van der Hout, enthused: Since its launch in 2015 we have been overwhelmed with sales for the LoopDive FIM, putting 30,000 FIMs in the field. It is not an exaggeration that our sales have exceeded predictions by 200%. The reason is it's a unique product that fulfils new legislative market demands."

The LoopDrive FIM was brought to market by 4EVAC to create something on a par with what is used for large-scale installations but at a lower cost whilst still providing the necessary technical safeguards.

The components can be built up into a wide area system using networking capabilities. There is also the option of having a standalone unit, or only a few on a network, for smaller buildings and areas.

In this way it would be possible for small, local businesses and apartment blocks to provide comprehensive safety and evacuation facilities. The ultimate aim, after all, is to keep people safe.

For more information, go to www.4evac.com

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