



AVIRE Fire Comms System

Product Catalogue

Connecting & Protecting People



Introduction to AVIRE

AVIRE is a global manufacturer of lift safety and communication solutions, including detectors, emergency telephones, cellular communication devices, and monitoring systems. Our trusted brands are relied upon by engineers, consultants, and building managers worldwide.

AVIRE brings together trusted product names — MEMCO, MICROKEY, RATH, and JANUS — each with a strong legacy in life safety, emergency communication, and lift technology. Operating across key global regions, our teams combine local expertise with global insight to support customers throughout the entire product lifecycle — from planning and installation to long-term service and modernization. Our product portfolio includes advanced light curtains, emergency telephones, cellular communication devices, and remote monitoring systems. AVIRE's reliable solutions are trusted by engineers, consultants, and building managers worldwide to keep lift systems safe, connected, and compliant in a wide variety of environments.



Firefighter Lift Comms

AVIRE provides integrated communication systems for firefighter lifts, enabling reliable, prioritised two-way voice communication between the Fire Service Access Level, lift car, machine room and other designated locations. Designed for firefighter lift applications, the system brings emergency communication, remote monitoring and compliance management (EN81-72 and BS8899) together in one connected solution.



AVIRE Fire Comms System

Overview

The AVIRE Fire Comms System provides reliable, prioritised two-way voice communication between the Fire Service Access Level, lift car, machine room and other designated locations.

Connected through 4 wire CANbus and integrated with the DCP EVO Gateway, Digital Audio Unit and AVIRE Hub, it combines firefighter communication, system monitoring and compliance management in one solution.

Benefits

- Easier to manage - Monitor connected equipment, review system status and track testing activity remotely through the AVIRE Hub, reducing unnecessary site visits.
- Simpler to install - 4 wire CANbus connectivity, automatic system start-up and device discovery help reduce installation complexity and on-site configuration time.
- Confidence in compliance - Specify an integrated system designed for firefighter lift applications, compliance with EN 81-72 requirements and for lift modernisations being carried out using BS8899.

System Components



Fire Lift I/O Module



Optional Lift Intercom



Machine Room Intercom



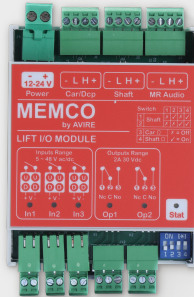
Firefighter Lift Switch and Intercom



DCP EVO Lift Digital Communication Platform



Top of Car Digital Audio Unit



Fire Lift I/O Module

Overview

The Fire Lift I/O Module connects the AVIRE Fire Communication System with the lift controller and building systems. It manages communication between the DCP Evo, lift car Digital Audio Unit and firefighter intercom points through CANbus, while its configurable inputs and relay outputs enable integration with the lift controller and power-supply status signals.

DIN-rail mounting, automatic system start-up and device discovery help simplify installation and commissioning.

Benefits

- Connects the AVIRE Fire Communication System to the lift controller
- Three CANbus connections for the DCP and lift car DAU, shaft intercoms and machine room intercom
- Three configurable AC/DC inputs for signals such as primary or secondary power status and lift recall acknowledgement
- Two relay outputs for firefighter mode activation and lift recall functions
- Provides 24 VDC power for up to eight connected intercom units
- Automatic system start-up and device discovery
- Compact DIN-rail-mounted design for installation within the lift controller or MRL cabinet

Technical Specifications

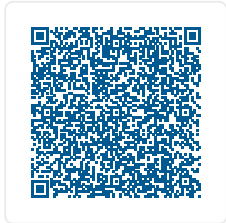
Parameter	Value
Power input	12-24VDC; 24VDC recommended
Connection	3x 4-Wire CAN; 3x AC/DC External Input (DRY or ACTIVE); 2x Relay Enabled External Output (NO/NC)
Operating temperature	-20 °C to 65 °C
Dimensions	71.1 x 90 x 32.50mm
Weight	
Mounting	DIN Rail Mount
Maximum power consumption	300mW

Order Info

AC-AMD0-200-F-C0-000

Files and Resources

Datasheets	AVIRE Fire Lift IO Module Datasheet (English)
Install Guides	AVIRE Fire Comms System Install Guide (English)



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Related products



AVIRE Fire Comms System
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Firefighter Lift Switch and Intercom
The Firefighter Lift Switch and Inte...



Machine Room Intercom
The Firefighter Lift Machine Room ...



Firefighter Lift Switch and Intercom

Overview

The Firefighter Lift Switch and Intercom (FSAL) provides the main firefighter communication and control point for the AVIRE Fire Communication System at the Fire Service Access Level.

Turning the firefighter key switch to the active position starts the system and enables hands-free, two-way communication with the lift car. The integrated press-to-talk button gives the active unit priority and mutes microphones on the other connected intercoms, helping firefighters communicate clearly across the system.

LED indicators provide immediate visibility of system status, talk activity and the pr...

Benefits

Main firefighter communication point at the Fire Service Access Level Integrated firefighter key switch activates the connected system Hands-free, two-way communication with the lift car when activated Prioritised press-to-talk operation for clear, controlled communication LED indication of system, talk and power-supply status Supports primary and secondary power-status indication when connected through the Fire Lift I/O Module Four-wire CANbus connection Flush-mounted as standard, with an optional surface-mount frame IPX3-rated stainless-steel design Designed for EN 81-72-compliant systems

Technical Specifications

Parameter	Value
Power input	24VDC from the Fire Lift I/O Module
Connection	Four-wire CAN
Operating temperature	-20°C to 65°C
IP rating	IPX3
Dimensions	330 × 110 × 41 mm, including panel and flush-mount box; 315 x 100 x 35mm (flush mount box)
Weight	
Mounting	Flush Mount
Power supply	8-28V
Screw type	Torx Tamper-proof screws
Maximum power consumption	2W

Order Info

AC-FFL9-100-F-CP-EN1

Files and Resources

Datasheets	Firefighter Lift Switch & Intercom Datasheet (English)
Install Guides	AVIRE Fire Comms System Install Guide (English)



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Machine Room Intercom

Overview

The Firefighter Lift Machine Room Intercom provides a dedicated communication point within the lift machine room or near the MRL cabinet.

Connected to the AVIRE Fire Communication System through CANbus, it enables personnel at the machine-room location to communicate with the lift car, Fire Service Access Level and other connected firefighter intercom points. Prioritised press-to-talk operation helps ensure clear, controlled communication when the system is active.

Benefits

- Dedicated firefighter communication point for the machine room or MRL cabinet location
- Prioritised press-to-talk communication across the connected system
- LED indicators show system and talk status
- Four-wire CANbus connection to the Fire Lift I/O Module
- Flush-mounted as standard, with an optional surface-mount frame
- IPX3-rated stainless-steel design
- Automatic discovery as part of the AVIRE Fire Communication System
- Designed for integration with the lift car, Fire Service Access Level and optional intercom points

Technical Specifications

Parameter	Value
Power input	24VDC from the Fire Lift I/O Unit
Connection	Four-wire CAN
Operating temperature	-20°C to 65°C
IP rating	IPX3
Dimensions	220 x 110 x 39mm (intercom panel and flush mount box); 205 x 100 x 35mm (flush mount box)
Weight	
Mounting	Flush Mount
Screw type	Torx Tamper-proof screws
Maximum power consumption	2W

Order Info

AC-DAM9-100-F-CP-EN1

Files and Resources

Datasheets	AVIRE Fire Machine Room Intercom Datasheet (English)
Install Guides	AVIRE Fire Comms System Install Guide (English)



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Optional Lift Intercom

Overview

The Optional Firefighter Lift Intercom extends the AVIRE Fire Communication System to additional locations such as central command points.

Connected through CANbus, each unit provides prioritised press-to-talk communication with the other connected firefighter intercom points. Up to eight optional intercoms can be incorporated into a system, supporting larger or more complex firefighter lift installations.

Benefits

- Extends firefighter communication to landings, central command points and other designated locations
- Prioritised press-to-talk communication for clear, controlled conversations
- Up to eight optional intercom units supported within the system
- Individual CAN addresses simplify identification and configuration
- LED indicators show system and talk status
- Four-wire CANbus connection Flush-mounted as standard, with an optional surface-mount frame
- IPX3-rated stainless-steel design

Technical Specifications

Parameter	Value
Power input	24VDC from the Fire Lift I/O Module
Connection	Four-wire CAN
Operating temperature	-20°C to 65°C
IP rating	IPX3
Dimensions	220 x 110 x 39mm (intercom panel and flush mount box); 205 x 100 x 35mm (flush mount box)
Weight	
Mounting	Flush Mount
Screw type	Torx Tamper-proof screws
Maximum power consumption	2W

Order Info

AC-DAV9-100-F-C0-EN1

Files and Resources

Datasheets	AVIRE Fire Optional Lift Intercom Datasheet (English)
Install Guides	AVIRE Fire Comms System Install Guide (English)



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