

Digital Lift Emergency Phone System

Product Catalogue

Connecting & Protecting People



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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.



Digital Lift Emergency Phone System

Modular audio units and accessories delivering reliable, two-way lift emergency communication. Designed for digital and cellular networks, AVIRE's solution helps UK lift professionals stay compliant as analogue lines are phased out, ensuring clear communication and passenger safety.



Top of Car Digital Audio Unit

Overview

The MEMCO Top of Car Digital Audio Unit (TOC DAU), is a compact, affordable, and compliant emergency phone solution. It connects to the Digital Communications Platform (DCP), provides a TOC alarm point, an external speaker and microphone inside the lift car, and is ideal for lift groups.

Benefits

- Easy to install
- Can be programmed and monitored on the AVIRE HUB
- Minimised maintenance costs
- Compact design
- Easily accessible, so cost saving for installation and maintenance
- Speaker can be heard inside the car
- Supports external microphone, speakers, and pictograms (sold separately)
- Buttons on unit for alarm and engineer intercom
- Integrated battery back-up

Technical Specifications

Parameter	Value
Colour casing	Yellow
Button	Yes
External pictograms	Yes
Siren support	Yes
External & internal microphone	Yes, only those supplied by AVIRE
Battery	Integrated
Battery & phone fault indicator	Yes
Power supply	8-28V
Connections	CAN & LPBus (RJ45)
Weight	0.5 kg.
Dimensions	77x180x60mm

Information

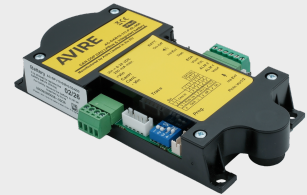
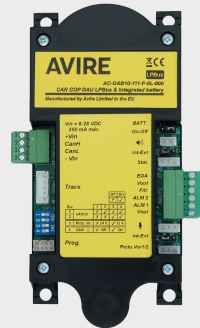
AC-DAT18-110-F-0L-000 TOC DAU
AC-ALB02-100-0-0L-000 LPBus Inductive Loop
AC-DAP18-100-F-00-000 New 2 button PIT Phone with intercom functionality

Files and Resources

Datasheets	TOC DAU Datasheet V03 (GB)
Install Guides	TOC DAU Installation Guide



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COP Digital Audio Unit

Overview

An elevator audio unit that provides high-quality digital audio when installed with the lift emergency Digital Communications Platform (DCP). Mounted behind the Car Operating Panel (COP), the slimline COP DAU also has an integrated battery backup.

Benefits

- High digital audio quality
- Integrated battery back-up
- Compact mechanical footprint
- Easy installation with 2-wire connection to DCP
- Optional inductive loop for passengers with hearing aids CAN or serial connections
- Minimised maintenance costs

Technical Specifications

Parameter	Value
Part number	AC-DAB10-111-F-0L-000
Mounting location	Behind COP
Colour casing	Black
Alarm button	Yes
Maintenance button	Yes
External pictograms	Yes
Siren support	Yes
External microphone & speaker	Yes
Internal microphone & speaker	Yes
Battery	Integrated
Battery & phone fault indicator	Yes
Power supply	8-28 VDC
Consumption	43mA - 190mA
Connections	CAN & LPBus (RJ45)
Operating temperature	-10 to +65°C
Dimensions	77 x 180 x 60mm
Induction Loop (IL)	-

Information

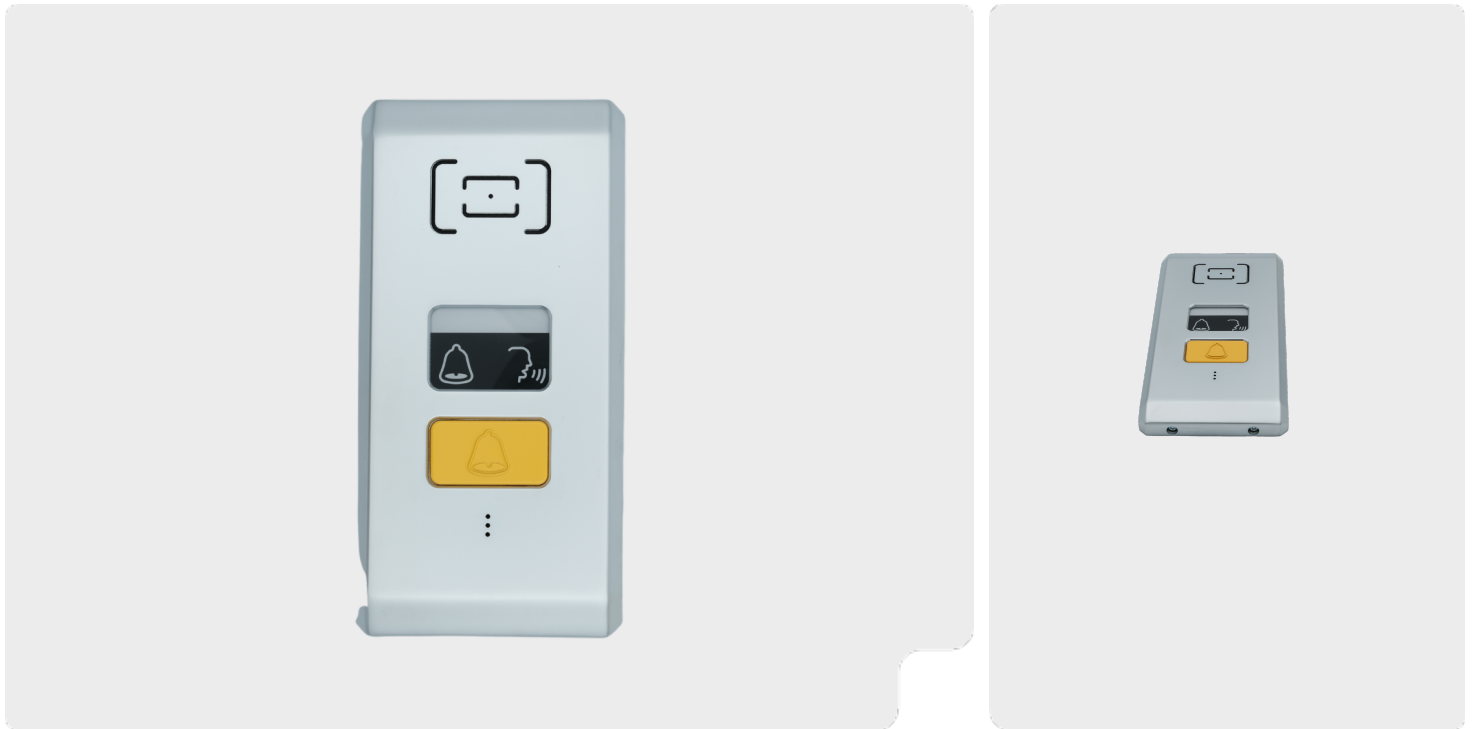
Item	Description
AC-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	LPBus DAU COP V01 ML



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Surface Mounted Audio Module

Overview

The slimline MEMCO Surface Mounted Audio module is mounted on the Car Operating Panel (COP), with easy install connection to the Digital Audio Unit (DAU), providing high-quality digital audio.

Benefits

- High digital audio quality
- Compact mechanical footprint
- Easy install connection to DAU

Technical Specifications

Parameter	Value
Part number	AC-AES07-100-0-0L-EN1
Mounting location	Surface of COP
Colour casing	Stainless steel
Alarm button	Yes
Maintenance button	-
External pictograms	-
Siren support	-
External microphone & speaker	-
Internal microphone & speaker	-
Battery	-
Battery & phone fault indicator	-
Power supply	From LPBus
Consumption	15mA - 320mA
Connections	LPBus
Operating temperature	-10 to +65°C
Dimensions	90mm x 180mm x 15mm
Induction Loop (IL)	Integrated IL

Information

Item	Description
AC-AES07-100-0-0L-EN1	Surface Mount COP Accessory

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	Surface Mount COP LPBus Audio Module ML V01



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Triphony Unit

Overview

The Triphony Unit is a digital audio module, powered via digital audio units (DAU), that can be used with the Digital Communications Platform (DCP) for internal or external emergency lift communication. It can be installed on the top or bottom of the lift car.

Benefits

- Simple plug-and-play connection to DAU in Car Operating Panel (COP)
- Use as local intercom or to make external alarm calls
- Powered via DAU
- Connects to audio module or lift rescue phone via LPBus connection Daisy chain units if required, e.g., 791 to top of car, and top of car to bottom of car
- LEDs indicate device and call status

Information

Item	Description
AC-AET08-100-0-0L-000	LPBus Triphony Unit - Two Button

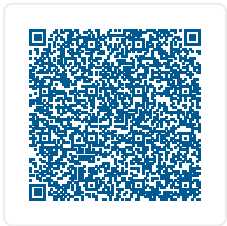
Files and Resources

Datasheets

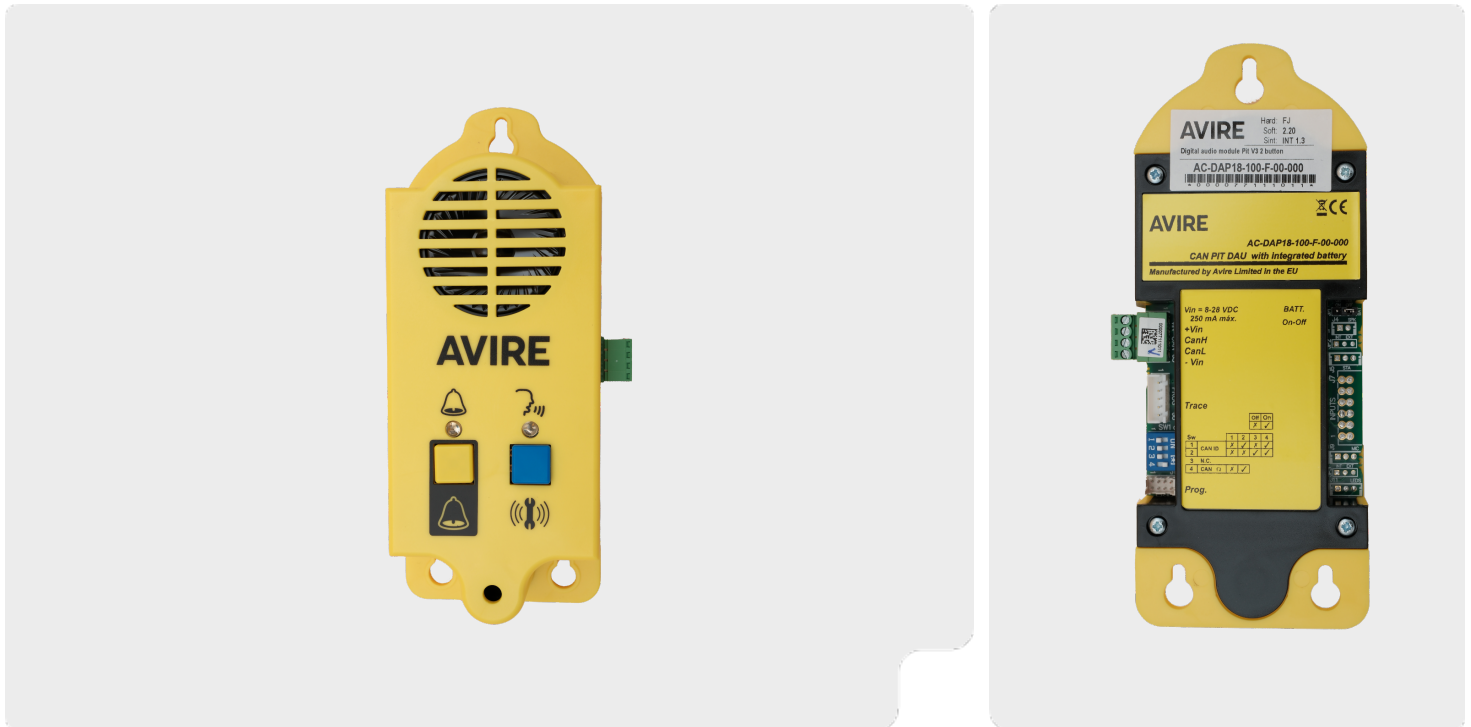
[Emergency Communication System LPBus Datasheet V05 \(GB\)](#)

Install Guides

[Triphony 2 button ML](#)



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Pit Phone Digital Audio Unit

Overview

The MEMCO PIT Digital Audio Unit is a pit phone unit that is mounted in the pit of a lift shaft, to provide an emergency communication point when connected to the DCP. It has an emergency battery backup and a yellow casing for visibility.

Benefits

- 50High digital audio quality
- Integrated battery back-up
- Compact mechanical footprint
- Easily install to Digital Communications Platform with 4-wire connection
- CAN or serial connections
- Yellow casing for visibility
- EN81-28 and EN81-70 compliant

Technical Specifications

Parameter	Value
Part number	AC-DAP18-100-F-00-000
Mounting location	PIT
Colour casing	Yellow
Alarm button	Yes
Maintenance button	Yes
External pictograms	No
Siren support	No
External microphone & speaker	No
Internal microphone & speaker	Yes
Battery	Integrated
Battery & phone fault indicator	No
Power supply	8-28 VDC
Consumption	43mA - 190mA
Connections	CAN
Operating temperature	-10 to +65°C
Dimensions	28 x 94.65 x 23mm
Induction Loop (IL)	-

Information

Item	Description
AC-DAP18-100-F-00-000	CAN PIT Digital Audio Unit with integrated battery

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	Pit Phone Installation Guide ML V02



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Inductive Loop

Overview

The MEMCO Inductive Loop transmits a clear audio signal directly into the hearing aid of hearing-impaired passengers, ensuring compliance with EN81-70. Can be fitted behind COP (even retroactively), with a LPBUS connection to the DAU.

Benefits

- Small form factor inductive loop
- Inductive loop detector for lift emergency systems
- LPBus connection to DAU Cat 5 induction loop cable provided
- Can be retrofitted to an existing installation
- Installed vertically behind the COP (with screws or adhesive tape)
- Significantly reduces background noises, competing sounds, reverberations, and other acoustic distortions

Information

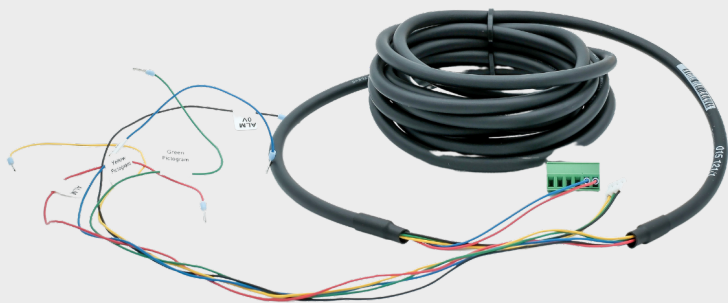
Item	Description
AC-ALB02-100-0-OL-000	LPBus Inductive Loop

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	LPBus Inductive Loop 850 (ML)



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Wiring Looms

Overview

Part of the MEMCO Emergency Communication System. Loom wire for the Car Operating Panel Digital Audio Unit (COP DAU) as well as the Top of Car Digital Audio Unit (TOC DAU). Compatible with OEM.

Information

Item	Description
AC-ACT00-030-0-00-OR1	Wiring Loom, TOC DAU, Orona ARCA 3
AC-ACT00-200-0-00-KON	Wiring Loom Kone KRM/KCE/LCE TOC DAU
AC-ACT00-201-0-00-000	Wiring Loom Otis TOC DAU
AC-ACT00-202-0-00-000	Wiring Loom Schindler TOC DAU
AC-ACT00-203-0-00-000	Wiring Loom TKE TOC DAU

Files and Resources

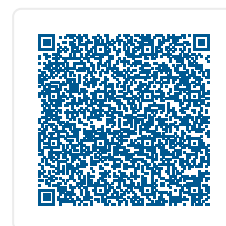
Install Guides

[Installation Guide Kone LCE KCE V03 ML](#)

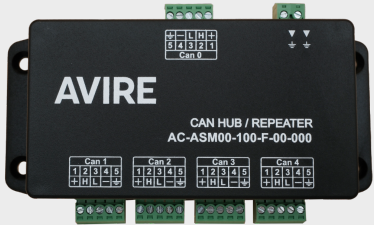
[Installation Guide OTIS V03 ML](#)

[Installation Guide Schindler V02 ML](#)

[Installation Guide Thyssenkrupp V03 ML](#)



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CAN Bus Splitter

Overview

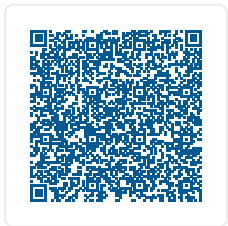
The CAN Bus is the ‘nervous system’ of the lift network, acting as an intermediate between one Digital Communication Platform (DCP) and multiple Digital Audio Units. Connect up to four CAN Bus lines with the MEMCO CAN Bus splitter, to simplify multiple-shaft or single-shaft installation wiring. The CAN Bus Splitter contains five CAN terminating resistors and does not require a power supply.

Information

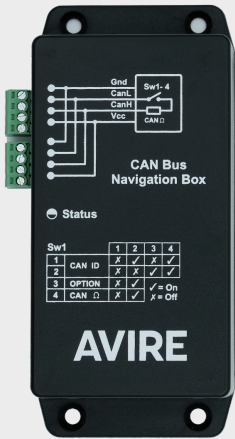
Item	Description
AC-ASM00-100-F-00-000	CAN Bus Splitter

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	CAN-Bus Splitter Installation Guide V03 ML



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Navigation Box

Overview

A smart sensor that provides insights into lift journeys. The lift Navigation Box helps building owners and maintenance providers make informed, data-driven decisions on the timing of essential maintenance to reduce malfunction and downtime.

Benefits

- Simple and quick installation (also retrofit)
- Fitted to the top of the lift car
- Data on distance travelled, number of trips, and velocity
- Basic Lift Management System features
- Data transfer to AVIRE HUB without connection to the lift controller
- Programme on-site or via AVIRE HUB
- Suitable for any lift up to 18 floors

Technical Specifications

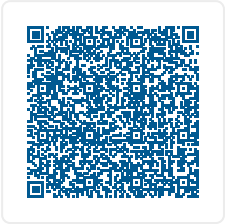
Parameter	Value
Power Supply	10-30VDC
Consumption	0.5W
Connections	MKCAN
Op. Temp.	0°C to +60°C
Dimensions	138 x 64 x 31 mm

Information

Item	Description
AC-NAV02-M0-900	Navigation Box
AC-ATM00-050-0-00-000	Extension Antenna for DCP 5 metre
AC-ATM00-150-0-00-000	Extension Antenna for DCP 15 metre

Files and Resources

Datasheets	Navigation Box 02 Datasheet (GB) V03
Install Guides	NAV02 Installation Guide V01 ML



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Lift HAWK

Overview

Remote lift monitoring reduces false and costly engineer callouts. The compact lift sensor monitors lift movements. To identify possible issues, the self-learning system identifies low-activity periods to autonomously perform tests.

Benefits

- Remotely test the lift status without having to connect to the lift controller
- Self-learning sensor performs autonomous tests at quiet periods
- Set up tests at scheduled intervals
- Real-time monitoring via the AVIRE HUB
- Saves time and cost of site visits for false call-outs 4-wire connection to DCP CAN or serial connections
- Compact mechanical footprint
- Quick and easy to install

Technical Specifications

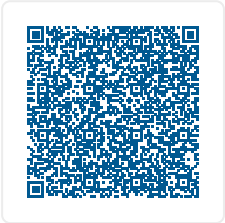
Parameter	Value
Power Supply	12-24V
Consumption	74mA quiescent, 130mA active
Connections	CAN, Memcom OP, External Sensor, Door Button 1, Door Button 2
Op. Temp.	-10°C to +60°C
Dimensions	138 x 64 x 31 mm

Information

Item	Description
AC-AMT00-100-0-C0-000	Lift HAWK

Files and Resources

Datasheets	Lift HAWK Datasheet V03 (GB)
Install Guides	Lift HAWK Installation Guide V02 UK



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