AVIRE

AVIRE Solutions

Product Catalogue

Connecting & Protecting People

Introduction to AVIRE	1
Cellular Gateways	**3**
DCP EVO Lift Digital Communication Platform	4
DCP Accessories Top of Car Digital Audio Unit	6
4G VoLTE DCP 2.0 Lift Digital Communication Platform	8
DCP Lift Digital Communication Platform	11
DCP Accessories CAN Bus Splitter	14
DCP Accessories Universal Power Supply	16
DCP Accessories COP Digital Audio Unit	18
DCP Accessories Wiring Looms	20
DCP Accessories Pit Phone Digital Audio Unit	21
DCP Accessories Surface Mounted Audio Module	23
DCP Accessories Triphony Unit	25
DCP Accessories Inductive Loop	27
DCP Accessories Lift HAWK	29
DCP Accessories Connex-02	31
DCP Accessories Navigation Box	33
Lift Emergency Phones	**36**
DCP EVO Lift Digital Communication Platform	37
Memcom+ Lift Emergency Phone	39
DCP Accessories Top of Car Digital Audio Unit	42
4G VoLTE DCP 2.0 Lift Digital Communication Platform	44

DCP Lift Digital Communication Platform	47
AVIRE M2M Lift SIM Card	50
Memcom+ Accessories Multi Point Station MPS	52
Memcom+ Accessories Wiring Looms	53
Memcom+ Accessories Inductive Loop	54
Memcom+ Accessories Surface Mount COP	55
Memcom+ Accessories Flush Mount COP	56
DCP Accessories CAN Bus Splitter	57
DCP Accessories Universal Power Supply	59
DCP Accessories COP Digital Audio Unit	61
DCP Accessories Wiring Looms	63
DCP Accessories Pit Phone Digital Audio Unit	64
DCP Accessories Surface Mounted Audio Module	66
DCP Accessories Triphony Unit	68
DCP Accessories Inductive Loop	70
DCP Accessories Lift HAWK	72
DCP Accessories Connex-02	74
DCP Accessories Navigation Box	76
Lift Light Curtains	**79**
Lift Light Curtains Panachrome Plus	80
Lift Light Curtains Panachrome	83
Lift Light Curtains Smart 3D	85
Lift Light Curtains Pana 40+	88

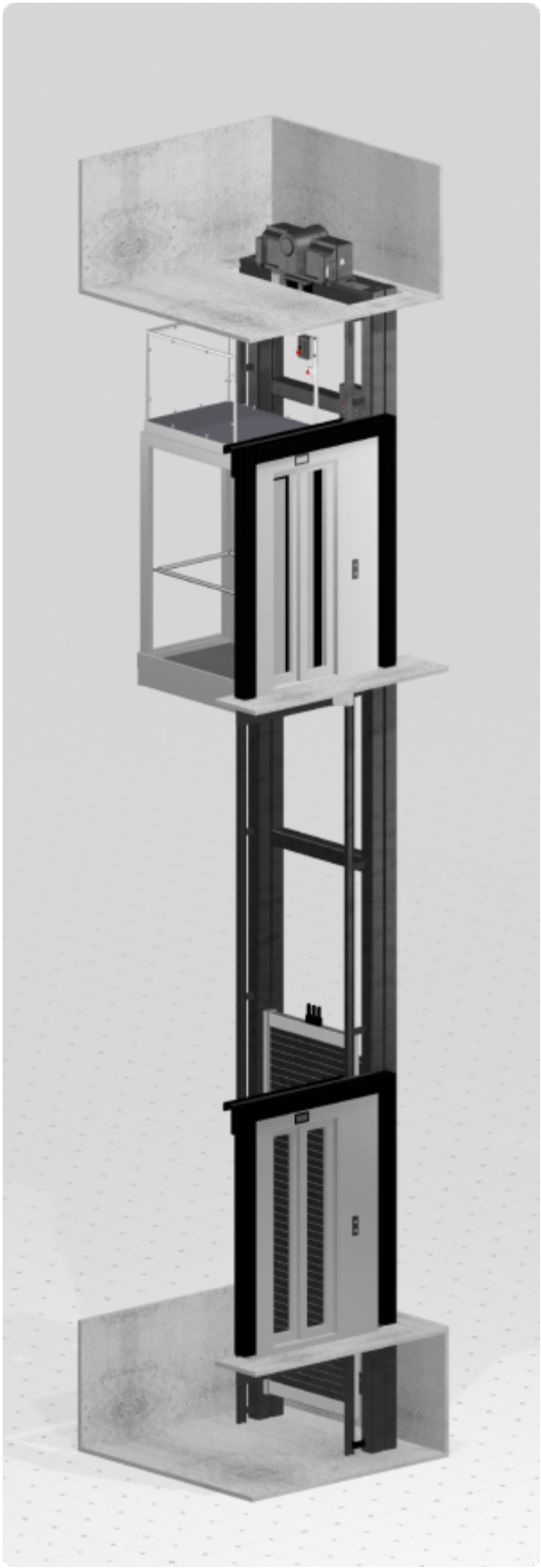
Lift Light Curtains E-Series	94
Software	**98**
SENTINEL Lift emergency connection service	99
AVIRE HUB Lift Monitoring Software	101
AVIRE APP Lift installation software	102

Introduction to AVIRE

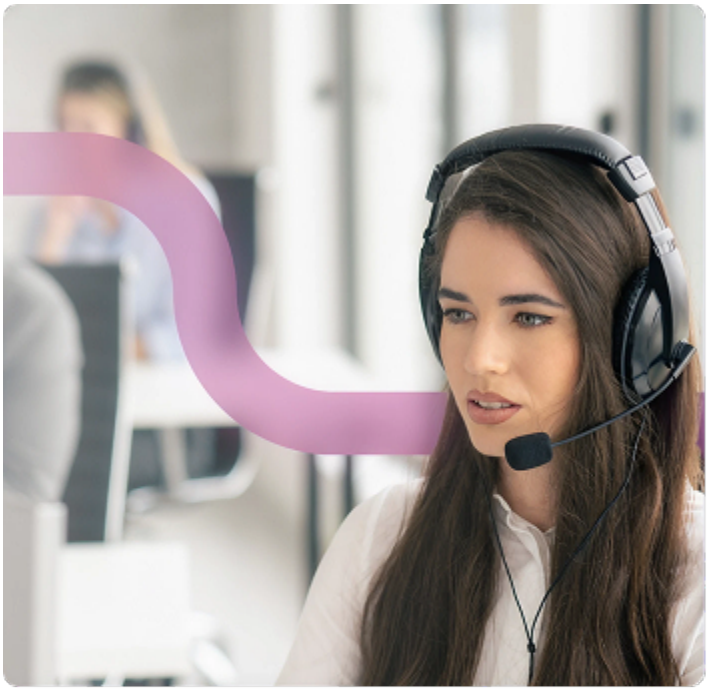
AVIRE is a global manufacturer of lift safety and communication solutions, including detectors, emergency telephones, cellular communication devices, and monitoring systems. Our trusted brands are relied upon by engineers, consultants, and building managers worldwide.

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.

Cellular Gateways



DCP EVO Lift Digital Communication Platform	4
DCP Accessories Top of Car Digital Audio Unit	6
4G VoLTE DCP 2.0 Lift Digital Communication Platform	8
DCP Lift Digital Communication Platform	11
DCP Accessories CAN Bus Splitter	14
DCP Accessories Universal Power Supply	16
DCP Accessories COP Digital Audio Unit	18
DCP Accessories Wiring Looms	20
DCP Accessories Pit Phone Digital Audio Unit	21
DCP Accessories Surface Mounted Audio Module	23
DCP Accessories Triphony Unit	25
DCP Accessories Inductive Loop	27
DCP Accessories Lift HAWK	29
DCP Accessories Connex-02	31
DCP Accessories Navigation Box	33



Cellular Gateways

Stay connected, even when landlines are no longer an option. Our Cellular Gateways provide a reliable and secure connection between emergency communication devices and monitoring centres, ensuring critical calls are always transmitted without interruption.

DCP EVO Lift Digital Communication Platform

Overview

All-in-One Emergency Communication Hub

The DCP Evo combines a GSM gateway, lift emergency phone, and M2M gateway, delivering everything you need in one device. It's the control centre of your modern lift emergency communication system. For installations that need an extra serial port, we also offer the DCP Evo X - same functionality, one added RS232/RS422/485 port.

Built on a legacy of trusted AVIRE gateways and emergency lift phones, the DCP Evo now supports VoIP and VoLTE and includes new features that make it easier to maximise your lift monitoring setup.

Benefits

- Full-Time Connection to the AVIRE Hub: Ensure continuous connectivity and accessibility. Real-time data available when connected to the Lift Controller or other AVIRE MEMCO products.
- Additional Interfaces for Versatile Installations: RJ-11, CAN Bus, Serial (RS232 or RS422/485), USB, General Purpose I/O. Tailored support for diverse lift installation scenarios.
- Data Encryption for Enhanced Security: Transport Layer Security (TLS) ensures the encryption of all data traffic. Safeguarding the device and your crucial data.
- VoIP powered by NEXiiO: Future-proof your system from the PSTN switch off and the 2G/3G sunset with VoIP (voice over internet protocol) connectivity.
- Need more serial connectivity? The DCP Evo X offers the same functionality as the DCP Evo, with an extra RS232/RS422/485 serial port, which is ideal for sites where a second serial connection to the lift controller or another device is required.

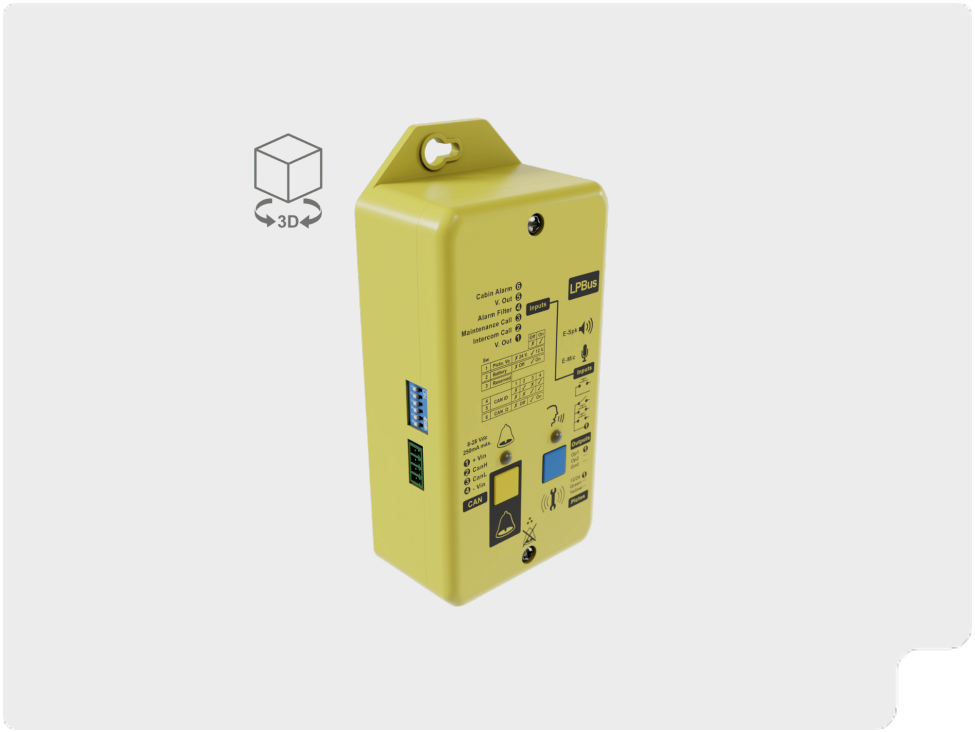
Files and Resources

Install Guides

4G DCP Evo Install Guide

DCP EVO X Install Guide

Scan QR for files



DCP Accessories 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-2CM10-100-F-20-000 Digital Communication Platform - 2G/RS-232
AC-4CM10-100-F-20-000 Digital Communication Platform - 4G/RS-232
AC-ALB02-100-0-0L-000 LPBus Inductive Loop
SIM cards Available in 2, 3, 4 & 5 years' contracts
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

Scan QR for files

4G VoLTE DCP 2.0 Lift Digital Communication Platform

Overview

Ensure passenger safety and compliance with AVIRE's advanced 4G Digital Communication Platform (DCP) 2.0. Designed to meet the latest EN-81-28 standards, this innovative solution secures reliable, real-time lift emergency communication while adapting to the evolving needs of modern buildings and infrastructure changes. Whether you're upgrading from 2G or seeking a dependable 4G VoLTE connection, the 4G DCP 2.0 is the smart choice to future-proof your elevator emergency systems.

Benefits

- Battery Back-Up for Power Outages & EN81-28 Compliance: Provides up to 3 hours of power during outages, exceeding EN81-28 requirements for emergency communication.
- Monitoring Flexibility: Offers real-time monitoring and remote adjustments via the AVIRE Hub for seamless operation.
- Advanced IoT Communication with MQTT: Enables efficient, real-time data exchange, keeping your system connected and responsive.
- Backward Compatibility: Compatible with both analogue (PSTN) and modern digital phone systems, ensuring smooth transitions and regulatory compliance.
- Cost-Effective Solution: Remote configuration reduces on-site visits, saving both time and operational costs.

Features

Full-time connectivity with the Avire HUB

Benefit	Stay informed with real-time data on the status of your lifts, reducing downtime and maintenance visits.
How it works	By connecting with lift controllers or MEMCO products like the Navigation Box, you'll always have up-to-date insights, streamlining monitoring and enhancing overall safety.

Advanced security with data encryption

Benefit	Protects critical lift communication data, enhancing security for building operators and residents.
How it works	Secure data transmission prevents unauthorised access, offering peace of mind in high-security environments.

Supports both 2G & 4G volte

Benefit	Guaranteed continuity as networks switch from analogue PSTN to digital, ensuring reliable emergency communication regardless of the technology transition.
How it works	The 4G DCP 2.0 seamlessly switches between 2G and 4G networks, ensuring uninterrupted communication.

Easy installation and remote configuration

Benefit	Save time and reduce the need for on-site engineer visits, lowering installation and maintenance costs.
How it works	Quickly find the optimal position within the lift shaft and adjust configurations remotely, enhancing operational efficiency.

Technical Specifications

Parameter	Value
Power Input	100/240Vac 50/60Hz
Consumption	7W
Internal Battery	12V/800mAh
Operating Temperature	0º – 45º C
IP Rating	IP21
Dimensions	205.1 x 110.1 x 61.28 mm
Data Network	2G; 4G
Voice Calling	2G; 4G (VoLTE)
Interfaces	RJ-11 (PSTN); CAN; RS-232
SIM Slot	Single (2FF Standard)
Security	TLSv1.2, TLSv1.1, TLSv1.0
Messaging Protocol	MQTT

Information

Item	Description
AC-4CM10-611-F-20-000	DCP 845 RS232 EMEA

Optional Accessories Ordering Information

Item	Description
AC-ATM00-050-0-00-000	Extension antenna (5m)
AC-ATM00-150-0-00-000	Extension antenna (15m)
453 211ML	MEMCOM Emergency Telephone
AC-PNB10-110-A-0L-000	PSTN Telephone MK852

Files and Resources

Datasheets	4G DCP 2.0 Data Sheet_v1.0_10102024_GB
Install Guides	DCP Install Guide

Scan QR for files

DCP Lift Digital Communication Platform

Overview

Bring your lift emergency telephone system into the digital age with the Avire Digital Communications Platform (DCP).

Benefits

Combining a GSM gateway, lift emergency telephone and M2M gateway into a single device, the MEMCO DCP is the brain of your modern emergency telephone system, allowing you to:

- Manage outgoing emergency calls via a GSM mobile network connection *(rather than a legacy PSTN connection)*
- Remotely configure and monitor the device via the cloud-based **Avire Hub**
- Connect to multiple Digital Audio Units (lift car, top of car and pit) via the 4-wire CAN Bus system, to provide microphone and speaker functionality
- Remotely configure all connected devices and extract lift monitoring data

Features

There are three major network changes you should consider when deciding on the most appropriate lift emergency telephone.	The switch from the analogue PSTN to digital planned for 2025 The current phasing out of 3G services by all UK mobile network operators The planned 2G switch by all UK mobile network operators
The latest MEMCO DCP supports both 2G and 4G, meaning your lift emergency telephone is future-proofed for the approaching network changes.	GSM Network Flexibility and Reliability:Supports voice (VoLTE) and data over 4G, with fall back to 2G (2G only variant available) – no PSTN landline required.
(*Avire SIM sold separately)	Ease of Installation:Remote configuration/set-up via the Avire Hub, Avire mobile app or SMS

Technical Specifications

Parameter	Value
Power Supply	220 - 240 VACw
Consumption	1.8 to 10 VA
Internal Battery	12V, 600 mAh, 9 hr
Connections	CAN, RJ-11, RS-232 or RS-422/485
Networks	2G, 4G
Op. Temp.	-40 to +85 oC
Dimensions	210 x 110 x 65 mm

Information

Item	Description
AC-2CM10-100-F-20-000	2G Digital Communication Platform - GSM/GPRS/RS-232
AC-4CM10-610-F-20-000	4G Digital Communication Platform - GSM/GPRS/RS-232
AC-ATM00-050-0-00-000	5m Extension Antenna
AC-ATM00-150-0-00-000	15m Extension Antenna
AC-DAT18-110-F-0L-000	TOC DAU
SIM cards Available	in 2, 3, 4 & 5 years' contracts
AC-ABV10-100-0-00-000/ABV10-100-0-00-000	Universal Power Supply and Battery Backup
AC-ASM00-100-F-00-000	CAN Bus Splitter

Files and Resources

Certifications	Declaration of Conformity to TRBS 1115-1
Datasheets	DCP Datasheet (GB)
Install Guides	DCP Install Guide 2G 3G Digital Communications Platform Installation Guide V04 UK
Support documents	How to program a guidance location message DCP and DAU Installation Global V02 Call Centre Instructions DCP and DAU Global V02

Scan QR for files

Related products

AVIRE HUB Lift Monitoring Software

Take control of your entire lift instal...

AVIRE M2M Lift SIM Card

AVIRE APP Lift installation software

The AVIRE App is designed to stre...

DCP Accessories 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.

Benefits

What is CAN Bus? CAN stands for Controller Area Network and is a vehicle bus standard designed to allow smart devices to communicate with each other through a robust, low-cost, message-based protocol.

Information

Item	Description
AC-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery
AC-DAT18-110-F-0L-000	CAN TOC Digital Audio Unit with LPBus and integrated battery
AC-DAP18-100-F-00-000	CAN PIT Digital Audio Unit with integrated battery
AC-AES07-100-0-0L-EN1	Surface Mount COP Accessory
AC-AET08-100-0-0L-000	LPBus Triphony Unit - Two Button
AC-ALB02-100-0-0L-000	LPBus Inductive Loop
AC-ASM00-100-F-00-000	CAN Bus Splitter
AC-ABV10-100-0-00-000	Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories Universal Power Supply

Overview

The MEMCO Universal Power Supply is mounted in the motor room and provides both 12VDC power and battery backup to support an extended CAN Bus system for the Digital Communications Platform.

Benefits

Mains input (85-230VAC 50/60 Hz) Constant 12VDC 1A Two LEDs to indicate power status

Features

- Provides a regulated 24V DC power supply
- Isolates light curtains from lift control circuitry and power systems
- Potential free relay output
- Robust housing
- 3 products witin the range
- Detector wiring instructions on the inside of lid for all 280 series PSUs

Technical Specifications

Parameter	Value
Product Code	280 000 / 281 000 / 283 000
Input voltage	115-240V AC / 24V DC nominal. An input range of 15V - 36V DC / 24V DC nominal. An input range of 18V - 30V DC 24V AC (max) is acceptable
Output voltage	12VDC nominal
Output current	120mA max (for use with MEMCO safety edges only)
Compatibility Safety Edges	Elite Model, E, X and K Series
Compatibility Safety Edges logic Outputs	
Trigger Logic Settings	Two logic output switches (SW2 and SW3 to be set for detector configuration)
Relay output	Single pole change-over with hard silver contacts. Maximum switching current 5 amps at 240V AC
Housing	High impact strength plastic box. 130mm x 100mm x 45mm
Connections	Screw terminal blocks
Audible Tone	Fitted with a beeper and beeper on/off switch
Operating temperature	range -10 to +60oC to EN 60068-2-14:2009
Storage temperature	range -25 to +60oC to EN 60068-2-1:2007 and EN 60068-2-2:2007
Operating humidity	range +55oC @ 93%RH and +25oC @ 95%RH to EN 60068-2-30:2005

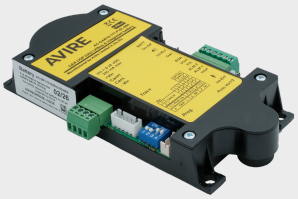
Information

Item	Description
280 000	Power Supply Unit , 115/240V AC Mains input
281 000	Power Supply Unit , 15/36V DC

Files and Resources

Datasheets	PSU 280 Series Datasheet V04 (GB) PSU 1500 Datasheet V02 (GB)
Install Guides	Universal Power Supply Installation Guide V02 ML

Scan QR for files



DCP Accessories 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 AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories Wiring Looms

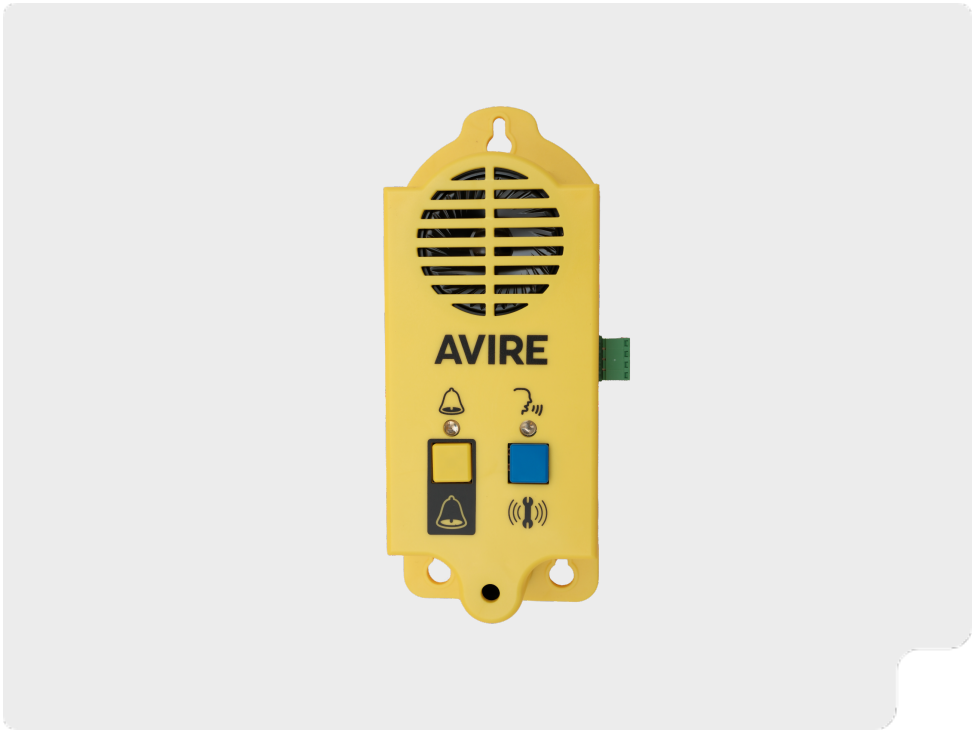
Overview

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.

Files and Resources

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

Scan QR for files



DCP Accessories 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

High 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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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	MC-AES01-100-0-OL-000
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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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

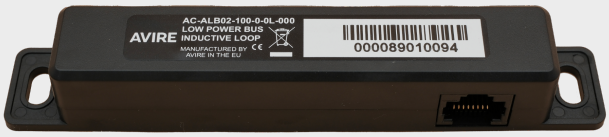
Information

Item	Description
AC-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery
AC-DAT18-110-F-0L-000	CAN TOC Digital Audio Unit with LPBus and integrated battery
AC-DAP18-100-F-00-000	CAN PIT Digital Audio Unit with integrated battery
AC-AES07-100-0-0L-EN1	Surface Mount COP Accessory
AC-AET08-100-0-0L-000	LPBus Triphony Unit - Two Button
AC-ALB02-100-0-0L-000	LPBus Inductive Loop
AC-ASM00-100-F-00-000	CAN Bus Splitter
AC-ABV10-100-0-00-000	Universal Power Supply

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	Triphony 2 button ML

Scan QR for files



DCP Accessories 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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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

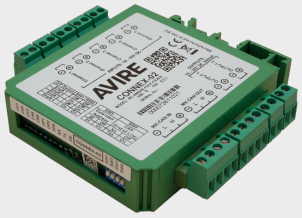
Information

Item	Description
AC-AMT00-100-0-C0-000	Lift HAWK
AC-2CM10-100-F-20-000	Digital Communication Platform - 2G/RS-232
AC-4CM10-610-F-20-000	Digital Communication Platform - 4G/RS-232
453 211ML	Memcom Emergency Telephone

Files and Resources

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

Scan QR for files



DCP Accessories Connex-02

Overview

The Connex-02 is a remote lift control module that, with the DCP, provides lift monitoring via the AVIRE HUB. User-defined inputs and outputs enable monitoring of service or maintenance status, engineer on-site duration, door cycles, and more.

Benefits

- Real-time remote lift monitoring and control via the AVIRE HUB
- Monitoring of lift out of service, maintenance mode, and door cycle count Log engineer arrival and departure time
- User-defined inputs and outputs
- Remotely perform lift soft reset
- Opto-isolated inputs and outputs
- DIN Rail Mounted Compact mechanical footprint
- Quick and easy to install Maximum 2 devices per lift, allowing connectivity in lift car and motor room

Technical Specifications

Parameter	Value
MK-CANBus Powered	Yes
Power Supply	12-24V
Current Consumption	50mA max
Power Consumption	1W max
Connections	5 inputs and 2 outputs
Inputs – Type	Schmitt trigger optocoupler
Inputs – Max Voltage	30V
Inputs – On Threshold	4 – 8V
Inputs – Hysteresis	1V Typical
Outputs - Type	Optocoupled photo relay
Outputs – Max	Voltage 30V
Outputs – Max Current	350mA (No short circuit protection)
Outputs – Voltage drop	1V max
LEDs	Power, CAN activity, input status, output status
Dimensions	102 x 22.5 x 112 (mm)

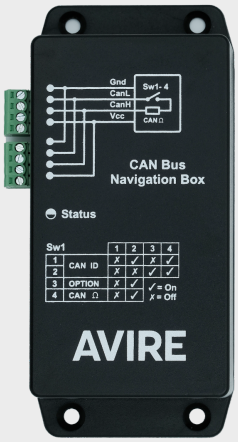
Information

Item	Description
AC-AMD00-110-F-C0-000	Connex-02
AC-2CM10-100-F-20-000	Digital Communication Platform - 2G/RS-232
AC-4CM10-100-F-20-000	Digital Communication Platform - 4G/RS-232
AC-ASM00-100-F-00-000	CANBus Splitter (not required for simple DCP to Connex-02 installations)

Files and Resources

Datasheets	Connex-02 Datasheet V03 (GB)
Install Guides	Connex-02 Installation Guide V01 UK

Scan QR for files



DCP Accessories 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 For lifts 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

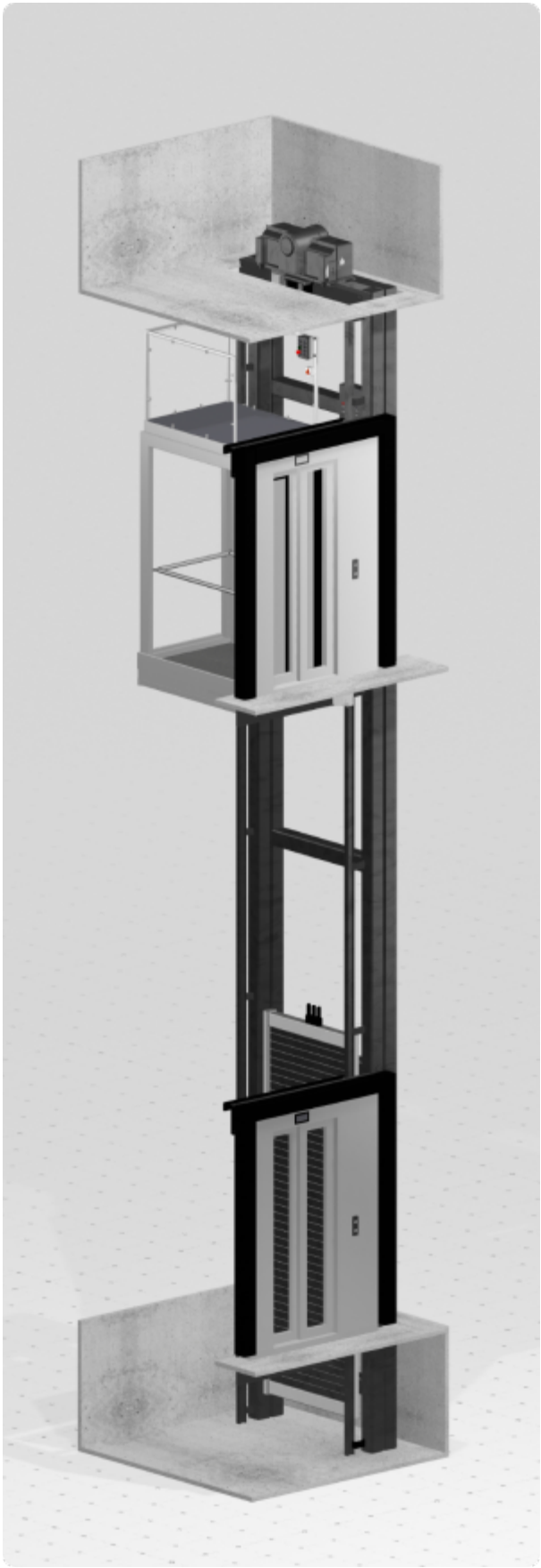
Item	Description
AC-NAV02-M0-900	Navigation Box
AC-2CM10-100-F-20-000	Digital Communication Platform - GSM/2G
AC-4CM10-610-F-20-000	Digital Communication Platform - GSM/4G
AC-ATM00-101-0-00-000	10m Antenna
AC-ATM00-050-0-00-000	Extension Antenna for DCP 5 metre
AC-ATM00-150-0-00-000	Extension Antenna for DCP 15 metre

Files and Resources

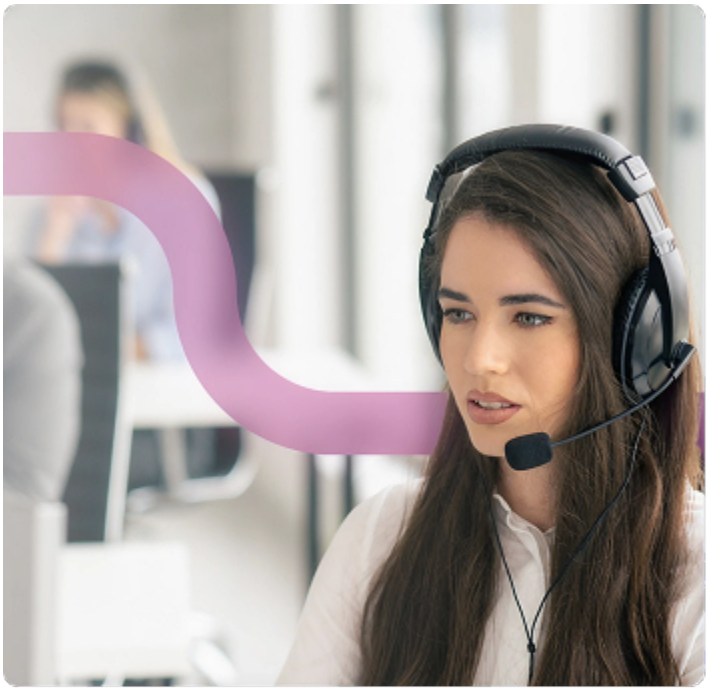
Datasheets	Navigation Box 02 Datasheet (GB) V03
Install Guides	NAV02 Installation Guide V01 ML

Scan QR for files

Lift Emergency Phones



DCP EVO Lift Digital Communication Platform	37
Memcom+ Lift Emergency Phone	39
DCP Accessories Top of Car Digital Audio Unit	42
4G VoLTE DCP 2.0 Lift Digital Communication Platform	44
DCP Lift Digital Communication Platform	47
AVIRE M2M Lift SIM Card	50
Memcom+ Accessories Multi Point Station MPS	52
Memcom+ Accessories Wiring Looms	53
Memcom+ Accessories Inductive Loop	54
Memcom+ Accessories Surface Mount COP	55
Memcom+ Accessories Flush Mount COP	56
DCP Accessories CAN Bus Splitter	57
DCP Accessories Universal Power Supply	59
DCP Accessories COP Digital Audio Unit	61
DCP Accessories Wiring Looms	63
DCP Accessories Pit Phone Digital Audio Unit	64
DCP Accessories Surface Mounted Audio Module	66
DCP Accessories Triphony Unit	68
DCP Accessories Inductive Loop	70
DCP Accessories Lift HAWK	72
DCP Accessories Connex-02	74
DCP Accessories Navigation Box	76



Lift Emergency Phones

Elevator emergency phones with free access to the AVIRE HUB, for easy product configuration and remote monitoring.

DCP EVO Lift Digital Communication Platform

Overview

All-in-One Emergency Communication Hub

The DCP Evo combines a GSM gateway, lift emergency phone, and M2M gateway, delivering everything you need in one device. It's the control centre of your modern lift emergency communication system. For installations that need an extra serial port, we also offer the DCP Evo X - same functionality, one added RS232/RS422/485 port.

Built on a legacy of trusted AVIRE gateways and emergency lift phones, the DCP Evo now supports VoIP and VoLTE and includes new features that make it easier to maximise your lift monitoring setup.

Benefits

- Full-Time Connection to the AVIRE Hub: Ensure continuous connectivity and accessibility. Real-time data available when connected to the Lift Controller or other AVIRE MEMCO products.
- Additional Interfaces for Versatile Installations: RJ-11, CAN Bus, Serial (RS232 or RS422/485), USB, General Purpose I/O. Tailored support for diverse lift installation scenarios.
- Data Encryption for Enhanced Security: Transport Layer Security (TLS) ensures the encryption of all data traffic. Safeguarding the device and your crucial data.
- VoIP powered by NEXiiO: Future-proof your system from the PSTN switch off and the 2G/3G sunset with VoIP (voice over internet protocol) connectivity.
- Need more serial connectivity? The DCP Evo X offers the same functionality as the DCP Evo, with an extra RS232/RS422/485 serial port, which is ideal for sites where a second serial connection to the lift controller or another device is required.

Files and Resources

Install Guides

4G DCP Evo Install Guide

DCP EVO X Install Guide

Scan QR for files

Memcom+ Lift Emergency Phone

Overview

The Memcom+ lift emergency phone is a high-quality, and reliable autodialler that provides trapped passengers quick and easy access to emergency assistance. The unit has a speaker, microphone, and backlit LCD for programming and status updates.

Benefits

- Emergency telephones and intercom systems for engineers, fully compliant with regulations
- Connection to the Multi Point Station (MPS)
- Backlit LCD display for programming and status indication
- Easy programming
- Connect up to 8 MEMCOM devices to a single telephone line
- Supports up to 4 emergency call numbers and 2 technical alert numbers
- Connection to the AVIRE HUB enables technical alarm management, test calls, and remote programming of installed units

Technical Specifications

Parameter	Value
Power Supply	220 - 240 VACw
Consumption	1.8 to 10 VA
Internal Battery	12V, 600 mAh, 9 hr
Connections	CAN, RJ-11, RS-232 or RS-422/485
Networks	2G, 4G
Op. Temp.	-40 to +85 oC
Dimensions	210 x 110 x 65 mm

Information

Item	Description
492 021	Memcom Multi Point Station (MPS)
451 000	Inductive loop (EN81-70 compliance)
AC-2CM10-100-F-20-000	2G DCP (Digital Communication Platform). Contact our team for all DCP options available.
AC-4CM10-610-F-20-000	4G DCP (Digital Communication Platform). Contact our team for all DCP options available.
MC-SMM00-110-0-00-EU0	Sim Card - Two Year
MC-SMM00-111-0-00-EU0	Sim Card - Three Year
AC-ASM00-100-F-00-000	CAN Bus Splitter

Files and Resources

Certifications	Declaration of Conformity Memcom+ Emergency Telephone
Datasheets	Memcom and Accessories Information Sheet V05 (GB)
Install Guides	Memcom Installation Guide

Scan QR for files

Related products

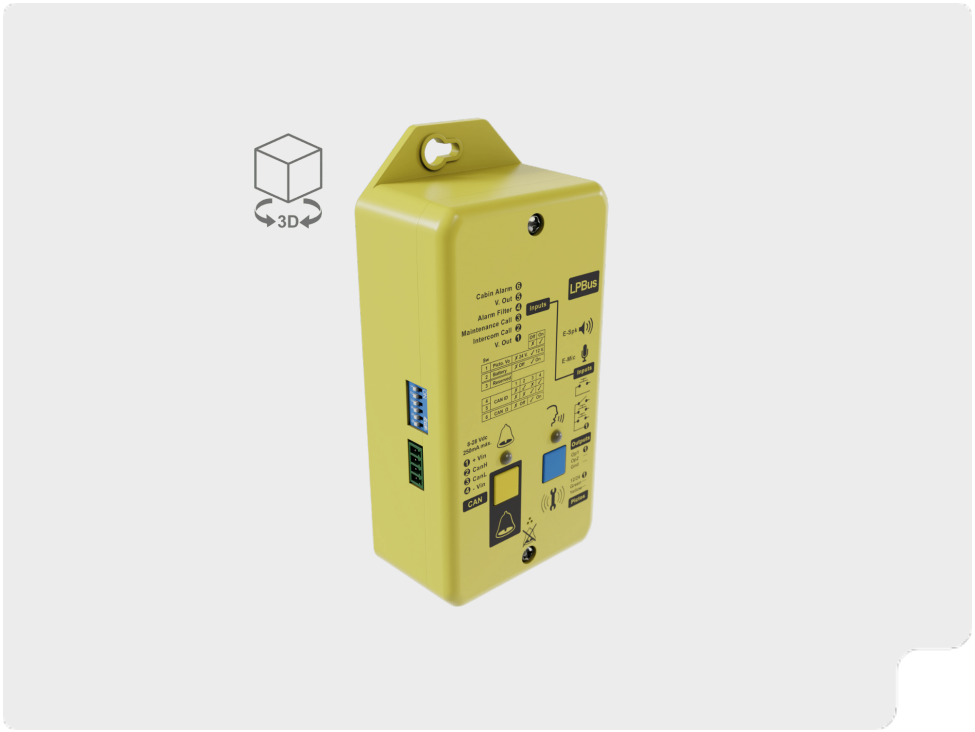
DCP Lift Digital Communication Platform

Bring your lift emergency telephon...

AVIRE HUB Lift Monitoring Software

Take control of your entire lift instal...

AVIRE M2M Lift SIM Card



DCP Accessories 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-2CM10-100-F-20-000 Digital Communication Platform - 2G/RS-232
AC-4CM10-100-F-20-000 Digital Communication Platform - 4G/RS-232
AC-ALB02-100-0-0L-000 LPBus Inductive Loop
SIM cards Available in 2, 3, 4 & 5 years' contracts
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

Scan QR for files

4G VoLTE DCP 2.0 Lift Digital Communication Platform

Overview

Ensure passenger safety and compliance with AVIRE's advanced 4G Digital Communication Platform (DCP) 2.0. Designed to meet the latest EN-81-28 standards, this innovative solution secures reliable, real-time lift emergency communication while adapting to the evolving needs of modern buildings and infrastructure changes. Whether you're upgrading from 2G or seeking a dependable 4G VoLTE connection, the 4G DCP 2.0 is the smart choice to future-proof your elevator emergency systems.

Benefits

- Battery Back-Up for Power Outages & EN81-28 Compliance: Provides up to 3 hours of power during outages, exceeding EN81-28 requirements for emergency communication.
- Monitoring Flexibility: Offers real-time monitoring and remote adjustments via the AVIRE Hub for seamless operation.
- Advanced IoT Communication with MQTT: Enables efficient, real-time data exchange, keeping your system connected and responsive.
- Backward Compatibility: Compatible with both analogue (PSTN) and modern digital phone systems, ensuring smooth transitions and regulatory compliance.
- Cost-Effective Solution: Remote configuration reduces on-site visits, saving both time and operational costs.

Features

Full-time connectivity with the Avire HUB

Benefit	Stay informed with real-time data on the status of your lifts, reducing downtime and maintenance visits.
How it works	By connecting with lift controllers or MEMCO products like the Navigation Box, you'll always have up-to-date insights, streamlining monitoring and enhancing overall safety.

Advanced security with data encryption

Benefit	Protects critical lift communication data, enhancing security for building operators and residents.
How it works	Secure data transmission prevents unauthorised access, offering peace of mind in high-security environments.

Supports both 2G & 4G volte

Benefit	Guaranteed continuity as networks switch from analogue PSTN to digital, ensuring reliable emergency communication regardless of the technology transition.
How it works	The 4G DCP 2.0 seamlessly switches between 2G and 4G networks, ensuring uninterrupted communication.

Easy installation and remote configuration

Benefit	Save time and reduce the need for on-site engineer visits, lowering installation and maintenance costs.
How it works	Quickly find the optimal position within the lift shaft and adjust configurations remotely, enhancing operational efficiency.

Technical Specifications

Parameter	Value
Power Input	100/240Vac 50/60Hz
Consumption	7W
Internal Battery	12V/800mAh
Operating Temperature	0º – 45º C
IP Rating	IP21
Dimensions	205.1 x 110.1 x 61.28 mm
Data Network	2G; 4G
Voice Calling	2G; 4G (VoLTE)
Interfaces	RJ-11 (PSTN); CAN; RS-232
SIM Slot	Single (2FF Standard)
Security	TLSv1.2, TLSv1.1, TLSv1.0
Messaging Protocol	MQTT

Information

Item	Description
AC-4CM10-611-F-20-000	DCP 845 RS232 EMEA

Optional Accessories Ordering Information

Item	Description
AC-ATM00-050-0-00-000	Extension antenna (5m)
AC-ATM00-150-0-00-000	Extension antenna (15m)
453 211ML	MEMCOM Emergency Telephone
AC-PNB10-110-A-0L-000	PSTN Telephone MK852

Files and Resources

Datasheets	4G DCP 2.0 Data Sheet_v1.0_10102024_GB
Install Guides	DCP Install Guide

Scan QR for files

DCP Lift Digital Communication Platform

Overview

Bring your lift emergency telephone system into the digital age with the Avire Digital Communications Platform (DCP).

Benefits

Combining a GSM gateway, lift emergency telephone and M2M gateway into a single device, the MEMCO DCP is the brain of your modern emergency telephone system, allowing you to:

- Manage outgoing emergency calls via a GSM mobile network connection *(rather than a legacy PSTN connection)*
- Remotely configure and monitor the device via the cloud-based **Avire Hub**
- Connect to multiple Digital Audio Units (lift car, top of car and pit) via the 4-wire CAN Bus system, to provide microphone and speaker functionality
- Remotely configure all connected devices and extract lift monitoring data

Features

There are three major network changes you should consider when deciding on the most appropriate lift emergency telephone.	The switch from the analogue PSTN to digital planned for 2025 The current phasing out of 3G services by all UK mobile network operators The planned 2G switch by all UK mobile network operators
The latest MEMCO DCP supports both 2G and 4G, meaning your lift emergency telephone is future-proofed for the approaching network changes.	GSM Network Flexibility and Reliability:Supports voice (VoLTE) and data over 4G, with fall back to 2G (2G only variant available) – no PSTN landline required.
(*Avire SIM sold separately)	Ease of Installation:Remote configuration/set-up via the Avire Hub, Avire mobile app or SMS

Technical Specifications

Parameter	Value
Power Supply	220 - 240 VACw
Consumption	1.8 to 10 VA
Internal Battery	12V, 600 mAh, 9 hr
Connections	CAN, RJ-11, RS-232 or RS-422/485
Networks	2G, 4G
Op. Temp.	-40 to +85 oC
Dimensions	210 x 110 x 65 mm

Information

Item	Description
AC-2CM10-100-F-20-000	2G Digital Communication Platform - GSM/GPRS/RS-232
AC-4CM10-610-F-20-000	4G Digital Communication Platform - GSM/GPRS/RS-232
AC-ATM00-050-0-00-000	5m Extension Antenna
AC-ATM00-150-0-00-000	15m Extension Antenna
AC-DAT18-110-F-0L-000	TOC DAU
SIM cards Available	in 2, 3, 4 & 5 years' contracts
AC-ABV10-100-0-00-000/ABV10-100-0-00-000	Universal Power Supply and Battery Backup
AC-ASM00-100-F-00-000	CAN Bus Splitter

Files and Resources

Certifications	Declaration of Conformity to TRBS 1115-1
Datasheets	DCP Datasheet (GB)
Install Guides	DCP Install Guide 2G 3G Digital Communications Platform Installation Guide V04 UK
Support documents	How to program a guidance location message DCP and DAU Installation Global V02 Call Centre Instructions DCP and DAU Global V02

Scan QR for files

Related products

AVIRE HUB Lift Monitoring Software

Take control of your entire lift instal...

AVIRE M2M Lift SIM Card

AVIRE APP Lift installation software

The AVIRE App is designed to stre...

AVIRE M2M Lift SIM Card

Overview

The AVIRE Machine to Machine (M2M) lift SIM cards provide your lift with a reliable connection at all times. These cards connect automatically to all major network providers ensuring the strongest signal and won't be disconnected due to low usage.

Benefits

- Tailored for the lift industry: Operates seamlessly in extreme temperatures and endures vibrations.
- M2M Reliability: Say goodbye to unexpected disconnections caused by low usage.
- Non-steered and fully roaming: Automatically identifies and connects to the most robust signal available, ensuring a consistently reliable connection.
- Pre-activated with remote renewals: Minimize hassle and call-out fees with easy, remote renewals for uninterrupted service.
- Calls and Data included with usage monitoring: no more unexpectedd high bills
- Flexible Plans: Choose between pay upfront/fixed term or subscription plans that suit your needs.
- When paired with our AVIRE DCP: efficient Use (One SIM supports up to 4 lift alarms); Remote Monitoring (Gain access to our advanced remote monitoring platform—the Avire Hub)

Files and Resources

Datasheets	SIM Card Datasheet V01 (GB)

Scan QR for files

Memcom+ Accessories Multi Point Station MPS

Overview

For use during installation and commissioning, the lift Multi Point Station (MPS) provides emergency telephone points for the lift engineer in the shaft, pit, or machine room. The easy-to-install MPS has LED status lights and adjustable volume control.

Benefits

- For use in the pit, machine room, cabin roof, or under the cabin
- 2-wire system for easy installation
- Allows local communication between different MPS points during lift installation
- Hands-free solution
- Supported by Memcom integral battery
- Can be connected to 24V power supply

Files and Resources

Datasheets SIM Card Datasheet V01 (GB)

Scan QR for files

Memcom+ Accessories Wiring Looms

Overview

Connect Memcom products quickly, easily, and error-free with pre-wired looms, each with a wiring harness and clearly labelled connections. The wiring looms are compatible with leading lift manufacturers and are pre-wired into the Memcom terminal block.

Files and Resources

Datasheets

SIM Card Datasheet V01 (GB)

Scan QR for files

Memcom+ Accessories Inductive Loop

Overview

Ensure your lift complies with equal access legislation with an inductive loop that enables passengers with hearing aids to hear the response to emergency calls and operator instructions clearly.

Benefits

- Mandatory for compliance with EN81-70 Lifts for Disabled Use
- Fully compatible with existing emergency telephone installations
- Quick and easy to install
- High-quality sound
- Fits behind Car Operating Panel
- Battery back-up via Memcom unit
- LPBus connection to digital audio units
- Significantly reduces background noises, competing sounds, reverberations, and other acoustic distortions

Files and Resources

Datasheets SIM Card Datasheet V01 (GB)

Scan QR for files

Memcom+ Accessories Surface Mount COP

Overview

A sleek and modern speaker and microphone for emergency calls, this lift surface mount for the Car Operating Panel (COP) is quick and easy to install. With back-lit colour pictograms, emergency lighting, and anti-vandalism security screw.

Benefits

- Quick and easy install due to surface mount
- Modern, stylish design
- Premium look and feel
- Pre-connected wiring loom with clearly labelled connection to the Memcom unit
- Anti-vandalism security screw
- Available unbranded or customised Back-lit colour pictograms
- Integrated emergency lighting in case of power failure
- Integrated Inductive Loop available in the COP Plate 450 290

Files and Resources

Install Guides

MEMCOM COP Accessory 450-290 UK

MEMCOM COP Accessory 450-280 UK

MEMCOM COP Accessory 450-270 UK

Scan QR for files

Memcom+ Accessories Flush Mount COP

Overview

The flush mounted Car operating Panel (COP) is designed to reduce the amount of modification required inside the elevator car, all COP accessories are delivered pre-wired to increase the speed of installation and reduce time spent on site.

Benefits

Integrated emergency lighting in case of power failure Speaker and microphone Alarm push Back-lit colour pictograms Pre-connected wiring loom with clearly labelled connections to the Memcom unit

Files and Resources

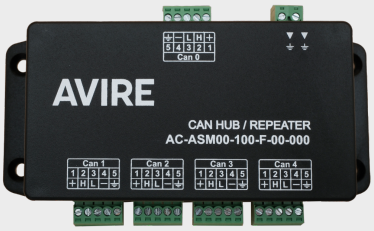
Install Guides

MEMCOM COP Accessory 450-290 UK

MEMCOM COP Accessory 450-280 UK

MEMCOM COP Accessory 450-270 UK

Scan QR for files



DCP Accessories 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.

Benefits

What is CAN Bus? CAN stands for Controller Area Network and is a vehicle bus standard designed to allow smart devices to communicate with each other through a robust, low-cost, message-based protocol.

Information

Item	Description
AC-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery
AC-DAT18-110-F-0L-000	CAN TOC Digital Audio Unit with LPBus and integrated battery
AC-DAP18-100-F-00-000	CAN PIT Digital Audio Unit with integrated battery
AC-AES07-100-0-0L-EN1	Surface Mount COP Accessory
AC-AET08-100-0-0L-000	LPBus Triphony Unit - Two Button
AC-ALB02-100-0-0L-000	LPBus Inductive Loop
AC-ASM00-100-F-00-000	CAN Bus Splitter
AC-ABV10-100-0-00-000	Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories Universal Power Supply

Overview

The MEMCO Universal Power Supply is mounted in the motor room and provides both 12VDC power and battery backup to support an extended CAN Bus system for the Digital Communications Platform.

Benefits

Mains input (85-230VAC 50/60 Hz) Constant 12VDC 1A Two LEDs to indicate power status

Features

- Provides a regulated 24V DC power supply
- Isolates light curtains from lift control circuitry and power systems
- Potential free relay output
- Robust housing
- 3 products witin the range
- Detector wiring instructions on the inside of lid for all 280 series PSUs

Technical Specifications

Parameter	Value
Product Code	280 000 / 281 000 / 283 000
Input voltage	115-240V AC / 24V DC nominal. An input range of 15V - 36V DC / 24V DC nominal. An input range of 18V - 30V DC 24V AC (max) is acceptable
Output voltage	12VDC nominal
Output current	120mA max (for use with MEMCO safety edges only)
Compatibility Safety Edges	Elite Model, E, X and K Series
Compatibility Safety Edges logic Outputs	
Trigger Logic Settings	Two logic output switches (SW2 and SW3 to be set for detector configuration)
Relay output	Single pole change-over with hard silver contacts. Maximum switching current 5 amps at 240V AC
Housing	High impact strength plastic box. 130mm x 100mm x 45mm
Connections	Screw terminal blocks
Audible Tone	Fitted with a beeper and beeper on/off switch
Operating temperature	range -10 to +60oC to EN 60068-2-14:2009
Storage temperature	range -25 to +60oC to EN 60068-2-1:2007 and EN 60068-2-2:2007
Operating humidity	range +55oC @ 93%RH and +25oC @ 95%RH to EN 60068-2-30:2005

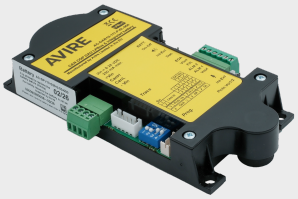
Information

Item	Description
280 000	Power Supply Unit , 115/240V AC Mains input
281 000	Power Supply Unit , 15/36V DC

Files and Resources

Datasheets	PSU 280 Series Datasheet V04 (GB) PSU 1500 Datasheet V02 (GB)
Install Guides	Universal Power Supply Installation Guide V02 ML

Scan QR for files



DCP Accessories 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 AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories Wiring Looms

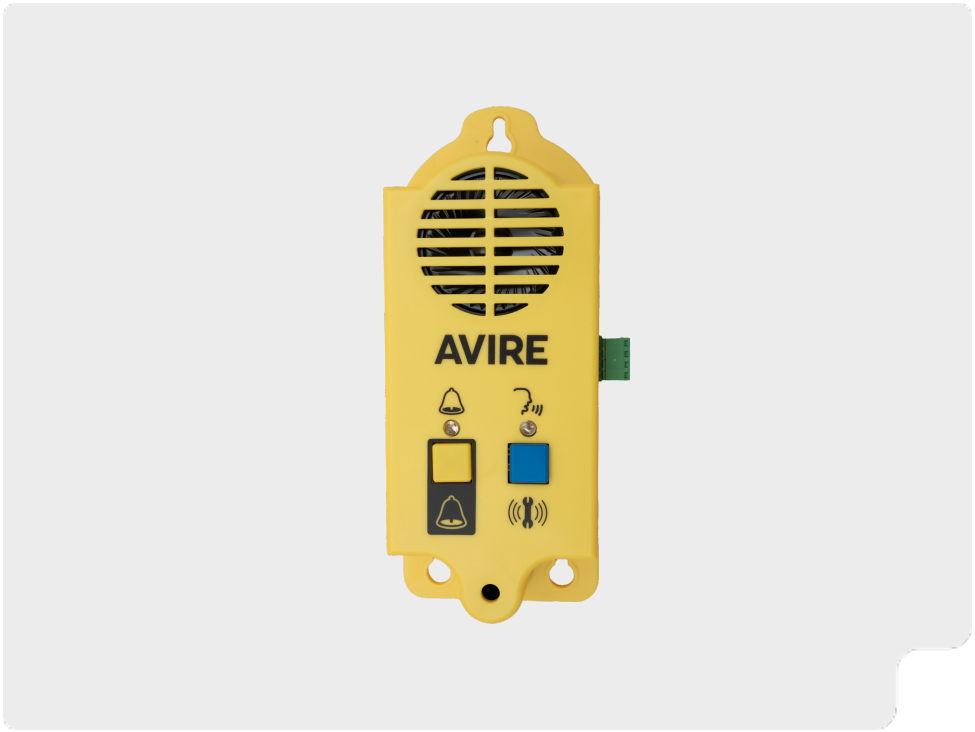
Overview

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.

Files and Resources

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

Scan QR for files



DCP Accessories 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

High 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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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	MC-AES01-100-0-OL-000
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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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

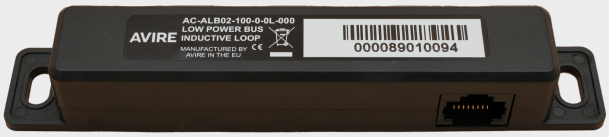
Information

Item	Description
AC-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery
AC-DAT18-110-F-0L-000	CAN TOC Digital Audio Unit with LPBus and integrated battery
AC-DAP18-100-F-00-000	CAN PIT Digital Audio Unit with integrated battery
AC-AES07-100-0-0L-EN1	Surface Mount COP Accessory
AC-AET08-100-0-0L-000	LPBus Triphony Unit - Two Button
AC-ALB02-100-0-0L-000	LPBus Inductive Loop
AC-ASM00-100-F-00-000	CAN Bus Splitter
AC-ABV10-100-0-00-000	Universal Power Supply

Files and Resources

Datasheets	Emergency Communication System LPBus Datasheet V05 (GB)
Install Guides	Triphony 2 button ML

Scan QR for files



DCP Accessories 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-DAB10-111-F-0L-000	CAN COP Digital Audio Unit with LPBus and integrated battery AC-DAT18-110-F-0L-000: CAN TOC Digital Audio Unit with LPBus and integrated battery AC-DAP18-100-F-00-000: CAN PIT Digital Audio Unit with integrated battery AC-AES07-100-0-0L-EN1: Surface Mount COP Accessory AC-AET08-100-0-0L-000: LPBus Triphony Unit - Two Button AC-ALB02-100-0-0L-000: LPBus Inductive Loop AC-ASM00-100-F-00-000: CAN Bus Splitter AC-ABV10-100-0-00-000: Universal Power Supply

Files and Resources

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

Scan QR for files

DCP Accessories 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

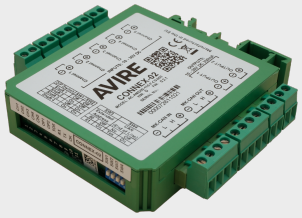
Information

Item	Description
AC-AMT00-100-0-C0-000	Lift HAWK
AC-2CM10-100-F-20-000	Digital Communication Platform - 2G/RS-232
AC-4CM10-610-F-20-000	Digital Communication Platform - 4G/RS-232
453 211ML	Memcom Emergency Telephone

Files and Resources

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

Scan QR for files



DCP Accessories Connex-02

Overview

The Connex-02 is a remote lift control module that, with the DCP, provides lift monitoring via the AVIRE HUB. User-defined inputs and outputs enable monitoring of service or maintenance status, engineer on-site duration, door cycles, and more.

Benefits

- Real-time remote lift monitoring and control via the AVIRE HUB
- Monitoring of lift out of service, maintenance mode, and door cycle count Log engineer arrival and departure time
- User-defined inputs and outputs
- Remotely perform lift soft reset
- Opto-isolated inputs and outputs
- DIN Rail Mounted Compact mechanical footprint
- Quick and easy to install Maximum 2 devices per lift, allowing connectivity in lift car and motor room

Technical Specifications

Parameter	Value
MK-CANBus Powered	Yes
Power Supply	12-24V
Current Consumption	50mA max
Power Consumption	1W max
Connections	5 inputs and 2 outputs
Inputs – Type	Schmitt trigger optocoupler
Inputs – Max Voltage	30V
Inputs – On Threshold	4 – 8V
Inputs – Hysteresis	1V Typical
Outputs - Type	Optocoupled photo relay
Outputs – Max	Voltage 30V
Outputs – Max Current	350mA (No short circuit protection)
Outputs – Voltage drop	1V max
LEDs	Power, CAN activity, input status, output status
Dimensions	102 x 22.5 x 112 (mm)

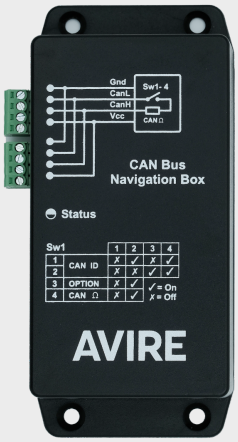
Information

Item	Description
AC-AMD00-110-F-C0-000	Connex-02
AC-2CM10-100-F-20-000	Digital Communication Platform - 2G/RS-232
AC-4CM10-100-F-20-000	Digital Communication Platform - 4G/RS-232
AC-ASM00-100-F-00-000	CANBus Splitter (not required for simple DCP to Connex-02 installations)

Files and Resources

Datasheets	Connex-02 Datasheet V03 (GB)
Install Guides	Connex-02 Installation Guide V01 UK

Scan QR for files



DCP Accessories 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 For lifts 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

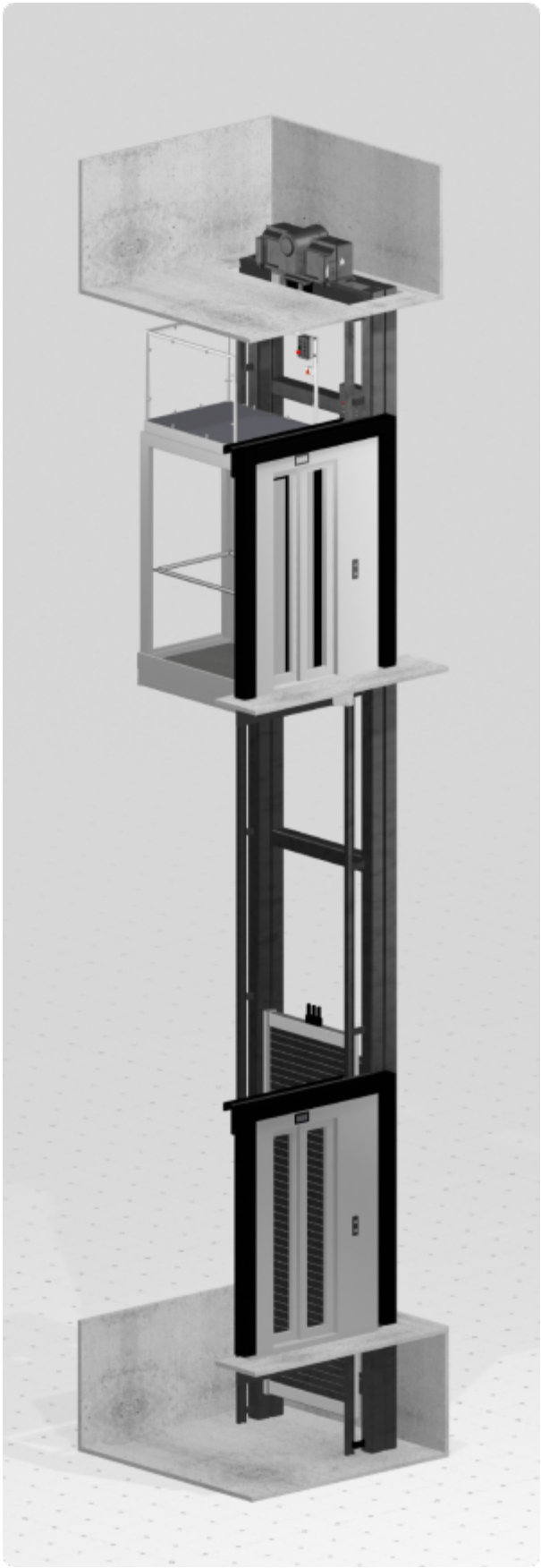
Item	Description
AC-NAV02-M0-900	Navigation Box
AC-2CM10-100-F-20-000	Digital Communication Platform - GSM/2G
AC-4CM10-610-F-20-000	Digital Communication Platform - GSM/4G
AC-ATM00-101-0-00-000	10m Antenna
AC-ATM00-050-0-00-000	Extension Antenna for DCP 5 metre
AC-ATM00-150-0-00-000	Extension Antenna for DCP 15 metre

Files and Resources

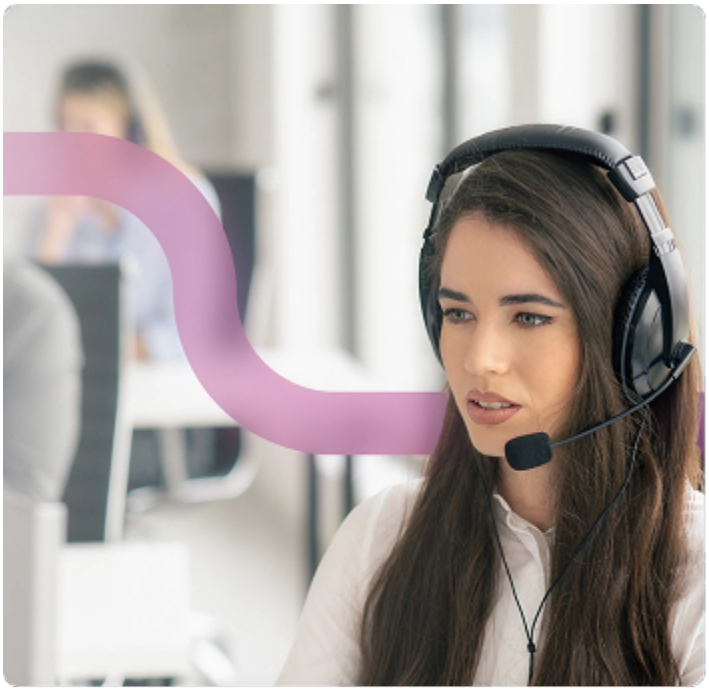
Datasheets	Navigation Box 02 Datasheet (GB) V03
Install Guides	NAV02 Installation Guide V01 ML

Scan QR for files

Lift Light Curtains

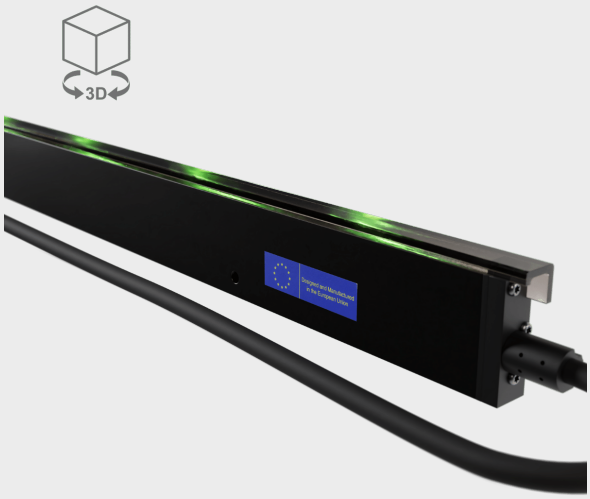


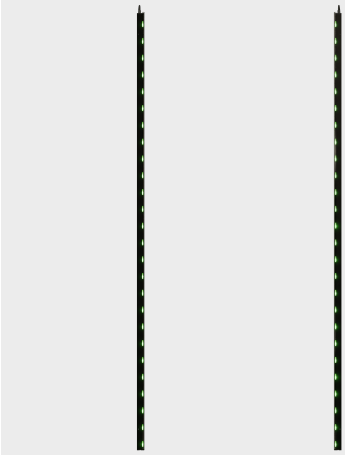
Lift Light Curtains Panachrome Plus	80
Lift Light Curtains Panachrome	83
Lift Light Curtains Smart 3D	85
Lift Light Curtains Pana 40+	88
Lift Light Curtains E-Series	94



Lift Light Curtains

More than 2 million AVIRE light curtains have reached customers ranging from global elevator manufacturers to local installers.





Lift Light Curtains Panachrome Plus

Overview

The MEMCO Panachrome+ lift curtain with red and green LEDs highlights door movements, making lifts safer and reducing accidents. 3D detection extends passenger protection into the landing zone, and remote diagnostics reduce site visit frequency.

Benefits

Dense infra-red 234-beam light curtain 48 diodes Patented red and green LED technology 2D and 3D detector models available Compatible with Smart 3D detector for enhanced safety and reduce call-outs Connects to programmable CANBus Controller for easy installation and remote monitoring via AVIRE HUB Suitable for centre-opening and side-opening doors Available in 10mm and 43mm profiles

Technical Specifications

Parameter	Value
Detector Dimensions	43mm x 16mm x 2005mm 10mm x 33mm x 2000mm 43mm x 16mm x 2005mm 10mm x 33mm x 2000mm
G3852 Controller Dimensions	239mm x 172mm x 51mm
Number of Diodes	48
Number of Beams	234
Ext. Cables	015 455 Length 4m

Detector Specifications

Parameter	Value
Monitoring height minimum	20mm
Monitoring height maximum	1800mm
Range - 2D	6m
Range - 3D	Typically, half door separation (0.3m-1.2m) N/A N/A
Maximum voltage in Detector	12VDC
Maximum power consumption	6W
Operating temperature range	-10°C to +65°C
EMC Compliance	Emissions to EN12015:2020; Immunity to EN12016:2013 FCC 47 CFR, Part 15 Subpart B, Class A ICES-003 Iss 7, Class A Ingress Rating IP65
Light Immunity Rating	>100.000lux

Controller Specifications

Parameter	Value
Voltage requirements	Universal AC supply 85 to 240VAC or 15 to 28VDC*
Power consumption	31W maximum with detectors fitted and indicators ON
Door operator relay	250V AC, 24V DC at 5A
Trigger Duration	350mS typical 2D, 1 second typical 3D
Timeout Switched	ON/OFF 10-360 seconds adjustable
2D Detection Response Time	Typically < 100ms

Information

Item	Description
G3540 000	Set of 3D TX, RX Detectors and Fixing Kit 43mm G3510 000: Set of 3D TX. RX Detectors and Fixing Kit 10mm G2540 000: Set of 2D TX, RX Detectors and Fixing Kit 43mm G2510 000: Set of 2D TX, RX Detectors and Fixing Kit 10mm G2510 803: Clamp kit to fit one detector G3852 000: Panachrome+ Controller (includes two 4m cables, one cable per edge) - 015 455: 4m extension cable SMART-3DS-S-01-000: Smart 3D Radar Sensor (Optional), ASME 17.1 SMART-3DS-S-02-000: Smart 3D Radar Sensor (Optional), Long Range (Non ASME 17.1)

Files and Resources

Certifications	Panachrome+ EN81-20 compliance report
Datasheets	Panachrome+ Controller Datasheet (English)
Install Guides	Panachrome 2D3D 10mm Install Guide V01 ML Panachrome 43mm Install Guide V01 ML Panachrome+ Universal Controller Install Guide
Support documents	Panachrome Plus vs Panachrome Comparison

Scan QR for files

Related products

AVIRE HUB Lift Monitoring Software

Take control of your entire lift instal...

Lift Light Curtains Panachrome

Overview

The MEMCO Panachrome lift detector is ideal for high-traffic areas, e.g., hospitals, hotels, or airports. Patented red/green LED lights warn when the doors are closing, and sensors detect lift door blockage. Optional 3D sensors extend protection into the landing area.

Benefits

- Dense infra-red 154 beam light curtain
- Red and green LEDs highlight door movement
- 2D and 3D detection models available
- 2D Coverage exceeds minimum requirements
- Suitable for centre-opening and side-opening doors
- External controller for quick configuration and diagnostics
- Available in 10mm and 43mm profiles
- Complies with EN81-70 legislation

Files and Resources

Certifications	Panachrome+ EN81-20 compliance report
Datasheets	Panachrome+ Controller Datasheet (English)
Install Guides	Panachrome 2D3D 10mm Install Guide V01 ML Panachrome 43mm Install Guide V01 ML Panachrome+ Universal Controller Install Guide
Support documents	Panachrome Plus vs Panachrome Comparison

Scan QR for files

Related products

Lift Light Curtains Panachrome Plus

The MEMCO Panachrome+ lift cu...

Lift Light Curtains Smart 3D

The MEMCO Smart 3D lift detector...

Lift Light Curtains Pana 40+

The MEMCO Pana 40+ is our best...

Lift Light Curtains Smart 3D

Overview

The MEMCO Smart 3D lift detector for Panachrome+ lift curtains is an innovative product that resolves common problems with 3D edges technology, reducing the false triggers caused by reflected light or flooring, stationary objects, dark clothing, and cross traffic.

Benefits

Patent pending Full passenger protection when combined with Panachrome+ 2D light curtains Reduces false 3D triggers with microwave radar technology Ignores cross-traffic of people moving past the lift Detects objects/people moving towards the lift Not affected by ambient light and reflective surfaces Surface mount options available Suitable for centre-opening and side-opening doors

Technical Specifications

Parameter	Value
Mounting height	1.8-2.8m . Transmitter frequency: 24.150 GHz . Transmitter power density: <5mW/cm2 . Minimum detection range (from door face) 200mm to 500mm . Detection width 1.4m side opening and 1.8m centre opening . Detection mode Motion: Min detection speed 20 cm/s . Operating distance: With door separations > 30cm (adjustable on Panachrome+)
Detector Dimensions	43mm x 16mm x 2005mm / 10mm x 33mm x 2000mm Number of Diodes: 48 Number of Beams: 234 Ext. Cables: 015 455 Length 4m Detector monitoring height (min): 20mm Detector monitoring height (max): 1800mm Range: - 2D 6m Maximum voltage in Detector: 12VDC Maximum power consumption: 6W Operating temperature range: -10°C to +65°C EMC Compliance Emissions to EN: 12015:2014 Ingress Rating: IP65 Light Immunity Rating: >100,000lux
Controller dimensions	239mm x 172mm x 51mm Voltage requirements: Universal AC supply 85 to 240VAC or 15 to 48VDC Power consumption: 30W maximum with detectors fitted and indicators ON Door operator relay: 250V AC, 24V DC at 5A Trigger Duration: 350mS typical 2D, 1 second typical 3D Timeout: Switched ON/OFF 10-70 seconds adjustable

Information

Item	Description
SMART-3DS-S-01-000	Smart 3D, Surface Mount, Stainless Colour . G2540 000: Set of 2D TX, RX Detectors and Fixing Kit 43mm G2510 000: Set of 2D TX, RX Detectors and Fixing Kit 10mm G2510 803: Clamp kit to fit one detector G3851 000-NA: Panachrome+ Controller 015 455: 4m extension cable to fit one detector

Files and Resources

Datasheets MEMCO Smart 3D Datasheet V03 (GB)

Scan QR for files

Related products

Lift Light Curtains Panachrome Plus

The MEMCO Panachrome+ lift cu...

Lift Light Curtains Pana 40+

Overview

The MEMCO Pana 40+ is our bestselling lift light curtain. Suitable for any installation, due to the range of available profiles. The exceptional quality, reliability, and durability make it perfect for high-risk and high-traffic applications.

Benefits

- 194 criss-cross beams offer protection to a height of 1.8m
- 2D and 3D detection models available
- 3D extended operating range further increases safety
- Suitable for centre-opening and side-opening doors
- External controller for quick setup and configuration
- Multiple profiles and fixing kits suitable for any installation
- Self-drilling screw for fast, easy fixing
- 2D Light immunity to over 100,000 lux

Technical Specifications

Product 740 040 Standard

Parameter	Value
Detector Size	43mm x 63mm x 2100mm
Detector Cable Length	750mm + 4m Extension Cables
Diode Spacing	45.7mm
Detector Range	6m
Number of Diodes Per Detector	40
Number of Beams Per Detector	40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller
EMC Compliance	Emissions to EN12015:2004, Immunity to EN12016:2004
IP Rating	IP54 as per EN60529:1991
Vibration	20-500Hz rms 4hrs 3 axis BS2011 Pt.2.2 Fd

741 000 Slimline

Parameter	Value
Detector Size	15.5mm x 35mm x 2000mm
Detector Cable Length	750mm + 4m Extension Cables
Diode Spacing	45.7mm
Detector Range	6m
Number of Diodes Per Detector	40
Number of Beams Per Detector	40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller
EMC Compliance	Emissions to EN12015:2004, Immunity to EN12016:2004
IP Rating	IP54 as per EN60529:1991
Vibration	20-500Hz rms 4hrs 3 axis BS2011 Pt.2.2 Fd

743 000 Ultra Slim

Parameter	Value
Detector Size	9mm x 37.3mm x 2008mm
Detector Cable Length	750mm + 4m Extension Cables
Diode Spacing	45.7mm

Detector Range	6m
Number of Diodes Per Detector	40
Number of Beams Per Detector	40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller
EMC Compliance	Emissions to EN12015:2004, Immunity to EN12016:2004
IP Rating	IP54 as per EN60529:1991
Vibration	20-500Hz rms 4hrs 3 axis BS2011 Pt.2.2 Fd

744 010 Leading Edge

Parameter	Value
Detector Size	40mm x 10.7mm x 2100mm
Detector Cable Length	1880mm + 4m Extension Cables
Diode Spacing	45.7mm
Detector Range	6m
Number of Diodes Per Detector	40
Number of Beams Per Detector	40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller
EMC Compliance	Emissions to EN12015:2004, Immunity to EN12016:2004
IP Rating	IP54 as per EN60529:1991
Vibration	20-500Hz rms 4hrs 3 axis BS2011 Pt.2.2 Fd

744 040 Slampost

Parameter	Value
Detector Size	40mm x 10.7mm x 2000mm
Detector Cable Length	1880mm + 4m Extension Cables
Diode Spacing	-
Detector Range	6m
Number of Diodes Per Detector	40
Number of Beams Per Detector	40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller
EMC Compliance	Emissions to EN12015:2004, Immunity to EN12016:2004
IP Rating	IP54 as per EN60529:1991
Vibration	20-500Hz rms 4hrs 3 axis BS2011 Pt.2.2 Fd

Technical Specifications

Product 770 040

Parameter	Value
Detector Size	43.5mm x 62.5mm x 2100mm
Detector Cable Length	725mm + 4m Extension
770 Detector Depth	with rigid guard 3mm 63 mm
2D Distance Between Bottom Beam & Bottom of Housing	20mm For 2D Light Curtain
2D Distance Between Top Beam & Bottom of Housing	1800mm 2D For Light Curtain
Maximum Range on 2D	6m
Maximum Range on 3D	Approx. 600mm from centre of doorway when doors are at 1200mm apart (Fig 3)
Number of Diodes Per Detector	40
Number of Beams Per Detecto	r 40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller

Product 771 000

Parameter	Value
Detector Size	15.5mm x 33.5mm x 2000m
Detector Cable Length	665mm + 4m Extension Cables
2D Distance Between Bottom Beam & Bottom of Housing	17mm For 2D Light Curtain
2D Distance Between Top Beam & Bottom of Housing	1800mm 2D For Light Curtain
Maximum Range on 2D	5.5m
Maximum Range on 3D	Approx. 600mm from centre of doorway when doors are at 1200mm apart (Fig 3)
Number of Diodes Per Detector	40
Number of Beams Per Detecto	r 40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller

Product 774 000

Parameter	Value
Detector Size	9mm x 37.3mm x 2008mm
Detector Cable Length	750mm + 4m Extension
2D Distance Between Bottom Beam & Bottom of Housing	20mm For 2D Light Curtain
2D Distance Between Top Beam & Bottom of Housing	1808mm 2D For Light Curtain
Maximum Range on 2D	5m
Maximum Range on 3D	Approx. 600mm from centre of doorway when doors are at 1200mm apart (Fig 3)
Number of Diodes Per Detector	40
Number of Beams Per Detecto	r 40 Beams with Pana40+ Controller / 194 Beams with Pana194+ Controller

Information

2D 74X Part Numbers and Description

Item	Description
740 040 – Universal	2x Fixing Kits for Standard Installations & 2x Fixing Kits for Leading Edge Installations
741 000 Slimline Detectors	2x Fixing Kits
743 000 Ultraslim Detectors	2x Fixing Kits
744 020 Mixed Slampost	1x Fixing Kit for Standard Installation 1x Fixing Kit for Slampost Installation
744 010 Leading Edge Detectors	2x Fixing Kits for Leading Edge Installations
744 040 Slampost Detectors	2x Fixing Kits for Slampost Installations

3D 77X Part Numbers & Description

Item	Description
770 040 – Universal	2x Fixing Kits for Standard Installations & 2x Fixing Kits for Leading Edge Installations
771 000 – Slimline	Detectors 2x Fixing Kits
774 000 – Ultra	Slim Detectors 2x Fixing Kits

Spares & Accessories Part Numbers

015 199 4m Extension Cable
743 803 Ultraslim clamps (the fixing kit is per one side of the detector set)

Files and Resources

Datasheets	Pana40Plus Datasheet V09 (GB)
Install Guides	Pana40 Installation Guide V01 ML
	Pana40 2in1-3in1 Installation Guide V01 ML
	Pana40Controller Installation Guide V01 GB
	Pana40Controller Installation Guide V01 FR
	Pana40Controller Installation Guide V01 ES

Scan QR for files

Related products

Lift Light Curtains Panachrome Plus

The MEMCO Panachrome+ lift cu...

Lift Light Curtains Panachrome

The MEMCO Panachrome lift dete...

Lift Light Curtains Smart 3D

The MEMCO Smart 3D lift detector...

Lift Light Curtains E-Series

The E-Series Lift Light Curtains is ...

Lift Light Curtains E-Series

Overview

The E-Series Lift Light Curtains is our entry-level lift door detector that fulfills all basic compliance requirements. It is easily and quickly integrated into door leading edges of existing or new lifts to prevent passenger accidents and door damage.

Benefits

- 174 criss-cross beams
- Designed for new & existing installations
- Suitable for dynamic or static installations
- Reduced installation time
- No setting up required
- No communication wire
- No configuration needed
- Extended range of input voltages 11- 42VDC to suit all applications
- Robust Electronics
- Timeout Software Diagnostic
- LEDs Diagnostic output

Technical Specifications

Parameter	Value
External Dimensions	10mm x 33.5mm x 2005mm (E10) / 32mm x 16mm x 2105mm (E32) / 40mm x 19mm x 2105mm (E40)
No. of Diodes	36
Total No. of Beams at a separation	of 174 Beams >500mm / 106 Beams<500mm &>200mm / 36 Beams <200mm
Top Diode position from sill*	1633mm
Bottom Diode position from sill*	25mm
IP Rating	IP65 (E10), IP54 (E32), IP54 (E40)
Maximum Range	3m Max.
Response Time	100ms
Light Immunity	>100,000 lux
Input Voltage	+11VDC - +42VDC Continuous 44VDC [Max] Peak
Trigger Output	Maximum Switching Voltage=45VDC/30VAC / Maximum Switching Current=350 mA / Maximum on State Resistance=2 Ohms / NPN,PNP,NC,NO user configurable
Diagnostic Output	(optional) Maximum Switching Voltage=45VDC/30VAC / Maximum Switching Current=350 mA / Maximum on State Resistance=2 Ohms / NPN,PNP user configurable; NC only
Current Average	<100mA
Peak Current	<100mA
Operating Temp. Range	-10°C - 60°C as per BS2011 Part2.1 Ab & Part2.2 Bb
Storage Temperature	-25°C to 60°C
EMC Emissions	EN12015:2014 Immunity 12016:2013
Random Vibration	20-500Hz 0.002g2/Hz, 4 hours per axis
Sinusoidal Vibration	30Hz 3.6g RMS 30mins per axis
Humidity	93% BS60068-2-30:2005:Part2.1Db:1981, Variant2 @ 55°C
Cables	TX=2 Cores & RX= 5 Cores (7 Cores with diagnostic output), Length=2.7

Information

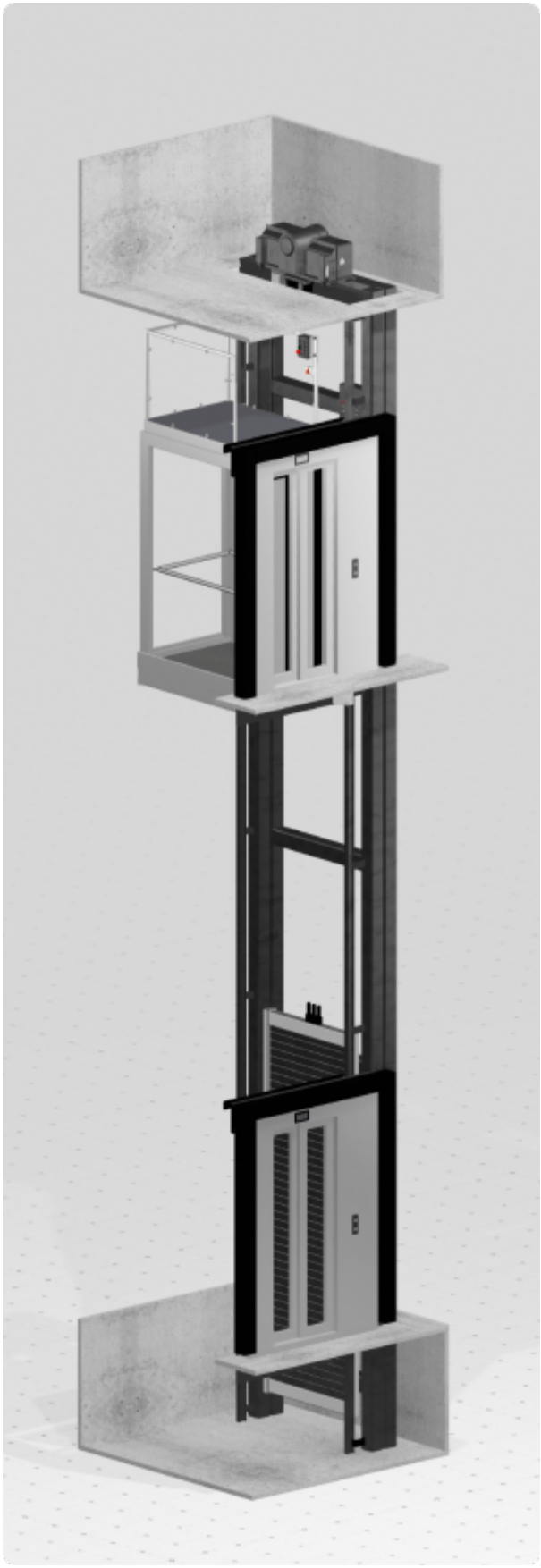
Item	Description
E10 894	Set of E10 Extension cables E10 802 Static kit, aluminium support bracket E10 803: Clamp plate kit (per detector

Files and Resources

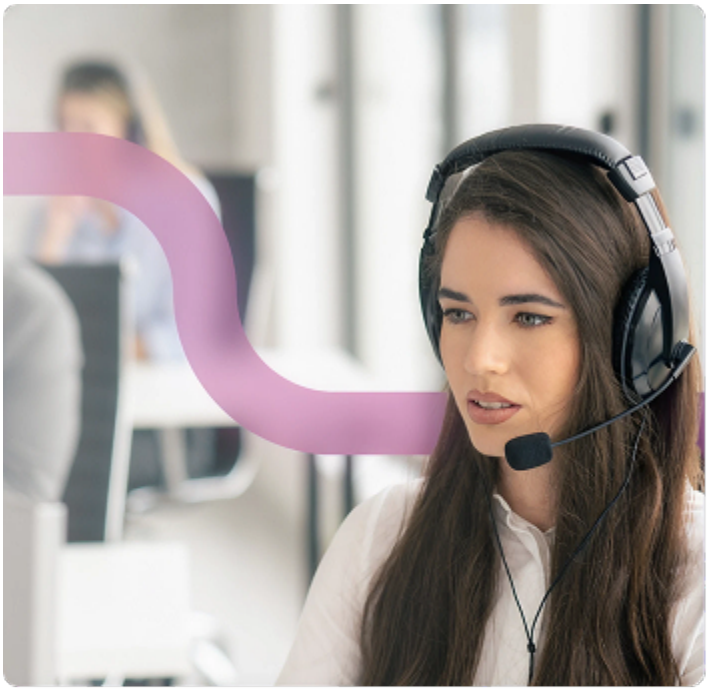
Datasheets	E-Series EN81-20 Datasheet V11 (GB)
Install Guides	E10 Installation Guide V03 ML

Scan QR for files

Software



SENTINEL Lift emergency connection service	99
AVIRE HUB Lift Monitoring Software	101
AVIRE APP Lift installation software	102



Software

We continually invest in R&D to ensure it can offer state-of-the-art technology that makes lift management even easier!

SENTINEL Lift emergency connection service

Overview

SENTINEL - The only UK pro-actively managed, resilient lift emergency connection service. Remove hassle and costs whilst fulfilling your obligations . With diagnostic health checks, fault resolution and lifetime provisioning, Sentinel is all you need to keep your lift connection resilient. Always.

Benefits

- Never be stranded: Our resilient connection ensures that even during power cuts, passengers can always reach out for help.
- No upfront costs: You only pay after your connection is established, with no hidden installation or connection fees.
- No surprises with hidden expenses: Your package covers all data, call usage, & any necessary site visits.
- Secure a lifetime connection: Enjoy future upgrades & battery replacements as part of our service.
- Seamless transition: We handle the rollout across your entire portfolio in collaboration with your lift partner, no matter how big or complex the project.
- Minimize liability risks: Receive regular connectivity reports and immediate notifications if issues arise, ensuring prompt on-site action.
- 24/7 Portfolio Insight: Access real-time connectivity status through our cloud platform, keeping you informed about your network's performance.
- Peace of mind: with a team of UK based, lift industry experts, you know you're in safe hands.

Files and Resources

Support documents

SENTINEL-FAQ

Why-choose-SENTINEL

DIGITAL-SWITCH-KEY-DATES

Scan QR for files

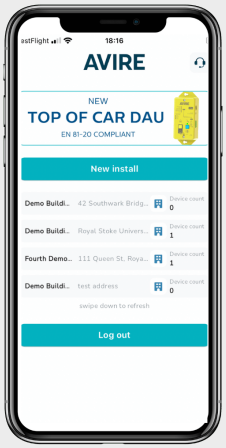
AVIRE HUB Lift Monitoring Software

Overview

Take control of your entire lift installation portfolio with advanced lift monitoring software in the AVIRE HUB. The AVIRE HUB gives you full visibility of your entire lift installation network, all from one place. Remotely monitor, configure, and update devices, receive real-time alerts, and stay compliant with emergency call regulations.
An intuitive dashboard helps ensure nothing is missed, while automated test-call logs provide a full audit trail.

Benefits

- Access your entire installation portfolio remotely
- Real-time visibility of lift location, operational status, and alerts
- Receive, record, and view multiple event types, including technical calls, alarms, and status updates
- Program, update, and monitor the DCP, MEMCOM (analogue), CAN Bus, and other P100-enabled devices
- Monitor DCP battery levels, and perform a record 3-day test calls
- Define multiple user roles with tiered access levels for security and traceability
- Compatible with All AVIRE devices and 3rd party devices utilising the P100 protocol



AVIRE APP Lift installation software

Overview

The AVIRE App is designed to streamline the setup process for lift emergency communication systems. Our app allows you to configure devices on-site or remote and register them in the AVIRE Hub for seamless remote monitoring. Explore our easy-to-follow tutorial videos and updated screenshots to see how the AVIRE App can transform your installation process.

Benefits

Fast and Simple Setup Wizard: Intuitive steps guide you through the installation process in minutes. DCP Connection Check: Instantly verify the connection of your Digital Communication Platform (DCP) devices. Device Settings Management: Create, apply, and save device settings effortlessly. Enhanced Reliability: Works on-site or remote, ensuring a stable and secure setup without the need for Bluetooth. Comprehensive Compatibility: Supports all present and future AVIRE digital products.

Files and Resources

Datasheets	AVIRE APP Datasheet V01 (GB)

Scan QR for files

MEMCO by AVIRE

Unit 2, The Switchback, Gardner Road, Gardner Road, UK, (Sat Nav Postcode - SL6 7QE)

T: +44 (0) 1628 540100

E: ales.uk@avire-global.com

W: https://www.avire-global.com/en-uk