2N® LIFT8

DIGITAL SYSTEM FOR LIFT EMERGENCY COMMUNICATION

Are you looking for a modular, future-proof solution for communication on multiple lifts using 4G, or VoIP communication from the lifts to a PBX or building network? Do you need to facilitate evacuation communications to nominated evacuation lift(s) and provide landing intercoms? Do you need strict compliance with EN 81-72 for a fireman's lift? If, you answered "yes" to any of these questions, then 2N® Lift8 is the right choice for you.

FEATURES & BENEFITS

ALL YOU NEED IS TWO WIRES
The installation is really simple. Regardless of the communication technology you use you need just two wires in the travelling cable for connection of up to 6 audio units in one shaft and machine room.

FOR MULTIPLE LIFTS
The 2N® Lift8 Central Unit supports emergency calling for up to 8 lifts.

LANDING INTERCOMS (EVACUATION)
A dedicated 2N® Lift8 Central Unit can support up to 56 landing intercoms.

CONNECTION TO THE CONTROLLER
The 2N® Lift8 Central Unit can be extended by additional RS232 or LAN module. These are used for the remote monitoring of the status of the lift controller.

CERTIFIED!
Lift8 meets all the requirements prescribed by EN81-28 including monitored, integrated battery backup with 4 hours standby, 1 hour talk-time as well as Firefighter lift solution according to EN 81-72 or Evacuation lift EN81-76 (Draft).

UPGRADE BY CHANGING ONE MODULE
Options include, single-SIM 4G comm's module, PSTN module that you can connect to 2N's 4G EasyGateIP to meet dual-SIM requirement, or a VoIP module to connect through a building network.

ON-SITE OR REMOTE CONFIGURATION
The configuration can be done locally with the supplied configuration software or remotely using the voice menu, SMS or software application.

STANDARDS

EN 81-28 · EN 81-70 · EN 81-71 · EN 81-72 · EN 81-80 · EN 81-76 · TÜV SÜD

COMPONENTS

Machine room

The main component of the system is 2N® Lift8 Central Unit. It provides the battery backup for all connected audio units and ensures its audio communication with both the operator (via PSTN, 4G or VoIP module) and lift controller (via RS232 orLAN module).

Other products located in the machine room can be 2N® Lift8 Splitter for connecting other lifts/shafts or 2N® Lift8 Audio Unit - Machine room for communication with other units.

Shaft

Even in the shaft you may want to have the audio units - under and/or at the top of the lift cabin. For this purpose, choose 2N® Lift8 Audio Unit Shaft which is also available in antivandal design. For firefighter lifts select the 2N® Lift8 FSAL Fireman's Unit which meets the criteria of EN 81-72 standard. The furthest audio unit can be a massive 600m away from the Lift8 Central Unit, making it ideal for campus environment where cable ducting between lifts or lift groups is available.

Cabin

You can choose a several wide range of audio units for the cabin. If you're just modernizing your lift,then the surface-mounted 2N® Lift Audio Unit Compact will come in handy. If you need the flush-mounted, antivandal one, then choose the 2N® Lift8 Audio Unit Flush. We have also a COP version for behind the panel installation.
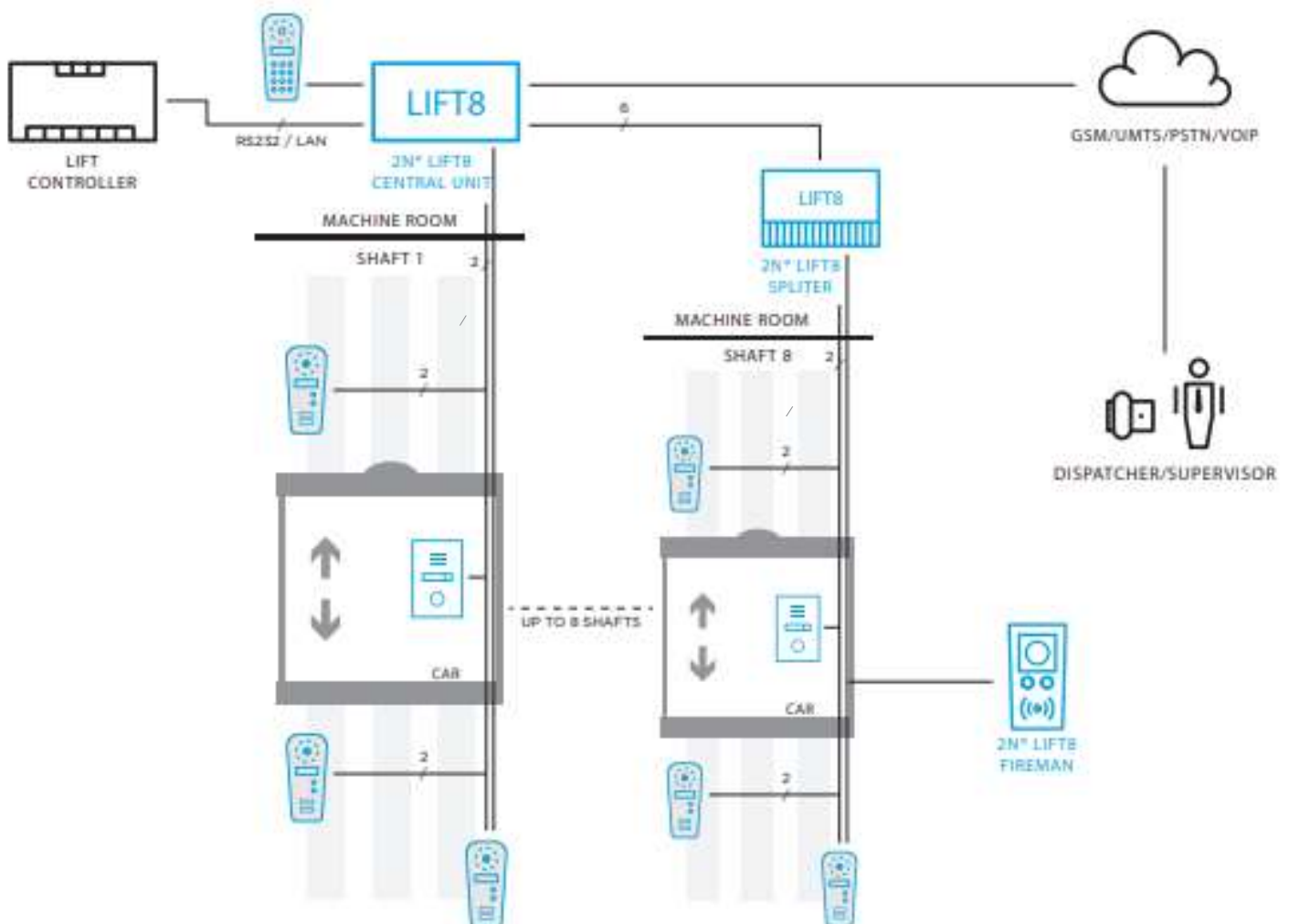
Another product suitable for the cabin is 2N® Lift8 Camera module. In the event of an emergency or at the request of an operator, this module sends a visual record of the current situation inside a lift. It is also capable to record and store data at pre-set intervals on a memory card.
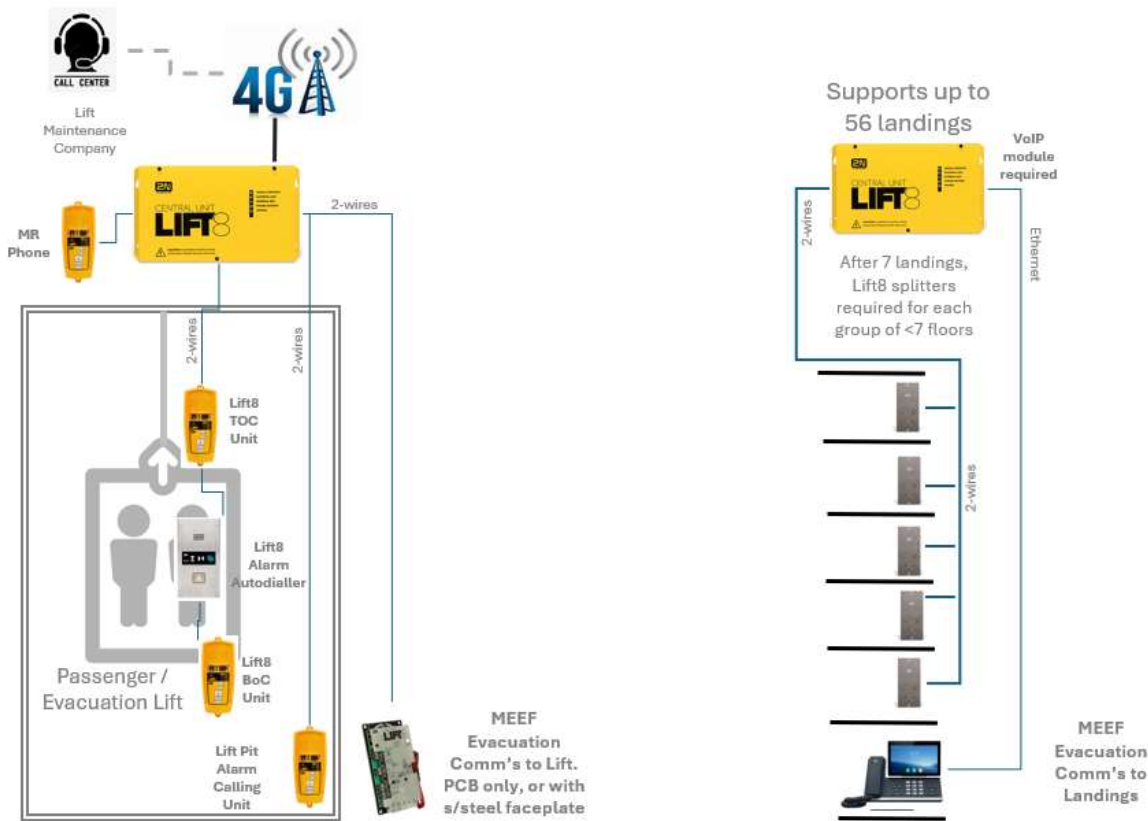
SW applications

The 2N® Lift8 Service Tool is software used for local (USB) or remote (IP) configuration of one complete 2N® Lift8 communication system (audio units, additional modules, splitter and I/O modules). It can also display an online diagram of all connected units, which enables you to perform a rapid check. In addition, it offers the option of uploading your own user messages.

BASIC CONNECTION

EVACUATION COMMUNICATIONS

A 2N® Lift8 Central Unit can be utilized for Main Elevator Evacuation Floor (MEEF) to Evacuation lift communication using the Fireman's type priority call logic for the MEEF lift intercom. One Lift8 Central Unit can support either a Fireman's lift or an Evacuation lift, plus a further seven regular lifts. To support Lift8 landing intercoms, an independent Lift8 Central Unit needs to be dedicated for that purpose and the MEEF intercom to landings can either be a low-cost machine room (MR) type unit, or a more complex IP phone, possibly with expansion module for easy landing call shortcuts. Use of an MR phone for this does not require any comm's module while the IP phone currently requires the VoIP module, until Q1-2025, when that functionality will be integrated without a comm's module for use on building networks.

TECHNICAL PARAMETERS

CENTRAL UNIT	
Power supply (max.)	100-240V; 50/60Hz; 0,75A; 60W
Backup power supply	Internal Lead Acid Battery (1,3 Ah / 3 Ah)
Maximum distance between splitters	100 m (with cable cross-section 2,5 mm²)
Interface for connection with lift service centre	4G, PSTN/POTS, VoIP
Configuration and monitoring	Voice menu/USB/remote
Indicators	5x LED, three-colour
Dimensions and weight	300 × 170 × 72 mm; 2,7 kg
Operating temperature	0 - 40°C

CELLULAR NETWORK	
Bands	4G LTE (EG25-G)
SIM card	small, plug-in 3V
Antenna	one external with SMA connector

SPLITTER	
Power supply	24V from Central Unit or local
Capacity	5 audio units and Camera module
Max. overall length	600 m
Lift block impulse	Relay, both NO and NC contacts
Dimensions	142 × 98 × 34 mm

FIREMAN UNIT & AUDIO UNIT SHAFT (ANTIVANDAL)	
Cover	robust aluminum casting
Operating temperature	−25°C - 55°C
Operating relative humidity	10% - 95% (non-condensing)
Storage temperature	−40°C - 70°C
Dimensions	217 × 109 × 83 mm, (242 × 136 × 83 mm including the frame)
Weight	netto: max 2 kg, brutto: max 2,5 kg
IP coverage	IP65

CAMERA MODULE	
Power supply	12 - 18V DC, max. 0,2A
Camera Interface	RS232/RS485 and RJ-45
Dimensions	142 × 98 × 34 mm
Memory card	microSD up to 32GB

I/O MODULE	
Power supply	24V from central unit or local
Capacity	4 inputs + 4 outputs
Inputs	Galvanized insulation, 12 - 24V AC or DC
Outputs	Relay, NO contacts, max. 250V, 5A
Dimensions	142 ×98 ×34 mm

EVACUATION LANDING INTERCOMS
Flush Mount Box Dimensions: 238 x 108 x 45 mm
Stainless Steel Faceplate with Button: 256 x 126 mm