



**emFONE<sup>®</sup>**  
Emergency Telephones  
BUILDERS LIFT INTERCOM



**PIXEL.**  
TECHNOLOGIES

# Builders Lift Intercom System

The emFONE Builders Lift Intercom offers the complete solution to any new building site. The system offers a crystal clear communication path between any landing station and the elevator / hoist master device, allowing one to one or one to all communication throughout. With the capability to connect up to 3 separate lifts / hoists the user on each landing can decide exactly which lift / hoist they want to talk to. The operator in the lift / hoist can then choose to “talk back” which will open a path back to the station that called them.

All units come with the additional safety call buttons of FIRST AID & SITE OFFICE. When pressed for 5 seconds these buttons will initiate an emergency call back to the first Aid officer or site office. Multiple numbers can be programmed into the system to ensure the call is answered.

## COMPONENTS

**CD-BI/SC** Lift / Hoist Car Stations are mounted in the Lift / Hoist cars and connected to the M/Room or controller box via a 2 x twisted shielded pair cable.

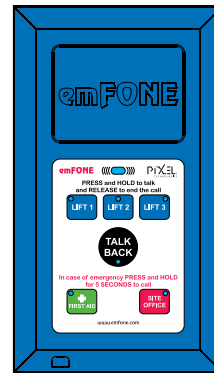
**CD-BI/SL** Landing Stations are mounted on each floor landing and simply daisy chain from device to device with the supplied cabling.

**CD-BI/M** Master external dialing device, can be programmed to call a series of external emergency numbers with a GSM dialer typically mounted on the Ground floor.

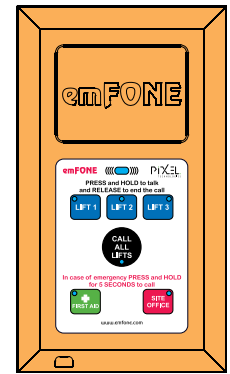
**CD-BI/PSU** The system power supply comes with a 19V power pack and an optional battery backup unit.

**CD-BI/TE** Lift Trailer cable termination devices typically installed in lift motor room and car top to extend the data bus to the lift.

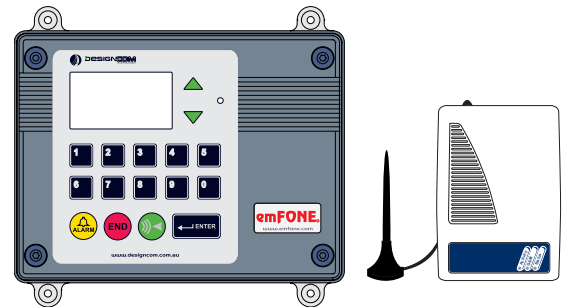
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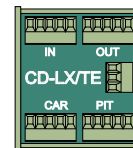
**CD-BI/SC**  
Car Station



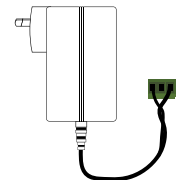
**CD-BI/SL**  
Landing Station



**CD-BI/M**  
Main External Dialer



**CD-BI/TE**  
Trailer Cable Termination Board



**CD-BI/PSU**  
Power Supply

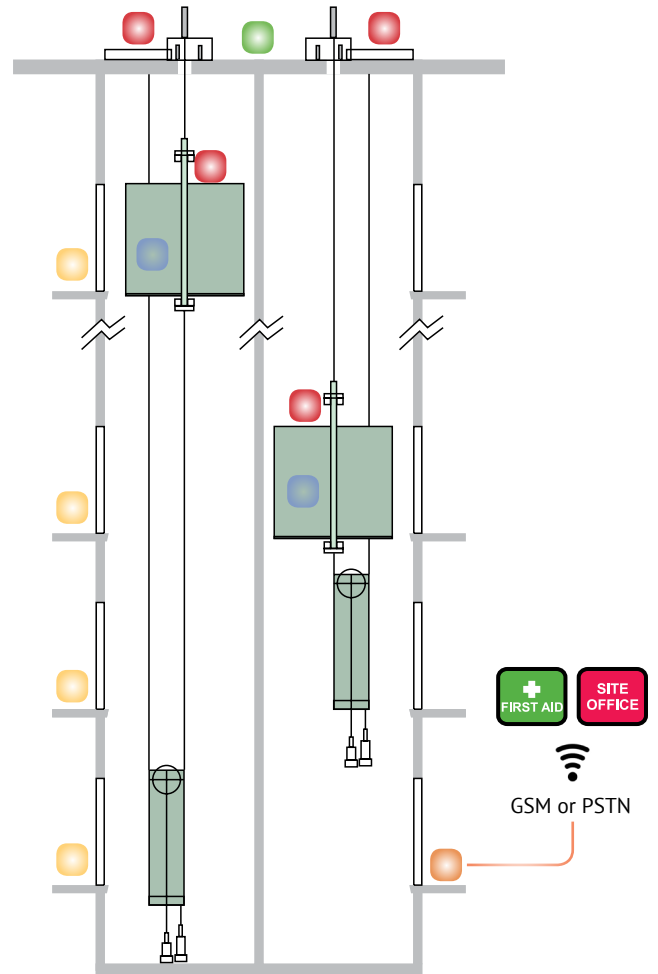
Communication and emergency response is the most vital requirement of any building site. For this reason we have developed a reliable and easy to use product designed and perfected to maintain communication between construction workers.

## FEATURES

- Voice communication from any landing to multiple lift/hoist cars
- Voice communication from lift/hoist car to landings.
- Voice communication between multiple lift/hoist cars.
- Single/duplex & triplex lift/hoist car capabilities
- High quality voice communications between any station
- Low voltage 18V DC powered system
- Emergency call from any station to first aid or site office (optional)
- Voice communication from job site office to car (optional)
- GSM communication for external emergency calls (optional)

## SPECIFICATIONS

Operating Voltage	18V DC
Data Bus	P2P Single Wire
Station Data Bus Nodes	78 Stations (max)
Signal	600 Ohm Impedance
Speaker Level	80dB (max)
Microphone Sensitivity	Adjustable – 5m range
Operating Temperature	0°C – 50C°



- CD-BI/SC - Car Station
- CD-BI/SL - Landing Station
- CD-BI/M - Main External Dialer
- CD-BI/TE - Trailer Cable Termination Board
- CD-BI/PSU - Power Supply

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