

ETIPS

PUBLIC ADDRESS & EMERGENCY SYSTEMS FOR ROLLING STOCKS

Modular and scalable architecture
Distributed intelligence
Common electronic platform



BENEFITS

- Modular Public Address System, with distributed intelligence in each device
- Integrated amplifier feature in Passenger Emergency Intercom
- Removable and customizable PEI front face
- Optimized integration due to less cable between carriages
- Multipoint intercom[*]
- High available and reliable architecture
- Open to other train equipment (CCTV, Doors, Emergency switch...)



Passenger Emergency Intercom

APPLICATIONS

ETIPS is designed for all kinds of railway rolling stock: tramways, high speed trains, self-propelled units, metros (new programs and refurbishment projects).

The Passenger Emergency Intercom (PEI) allows communication between passenger and the train operator (on board or in Operating Control Center):

- Broadcast sound messages with zoning selection
- Get input from train equipment (doors, emergency levers...) and trigger adequate command (e.g. automatic closing doors announcement).
- Provide listening facilities to the operator in case of emergency situation

The IP handset can be tuned to call a specific device (other handset, PEI) or trigger a communication to the ground.

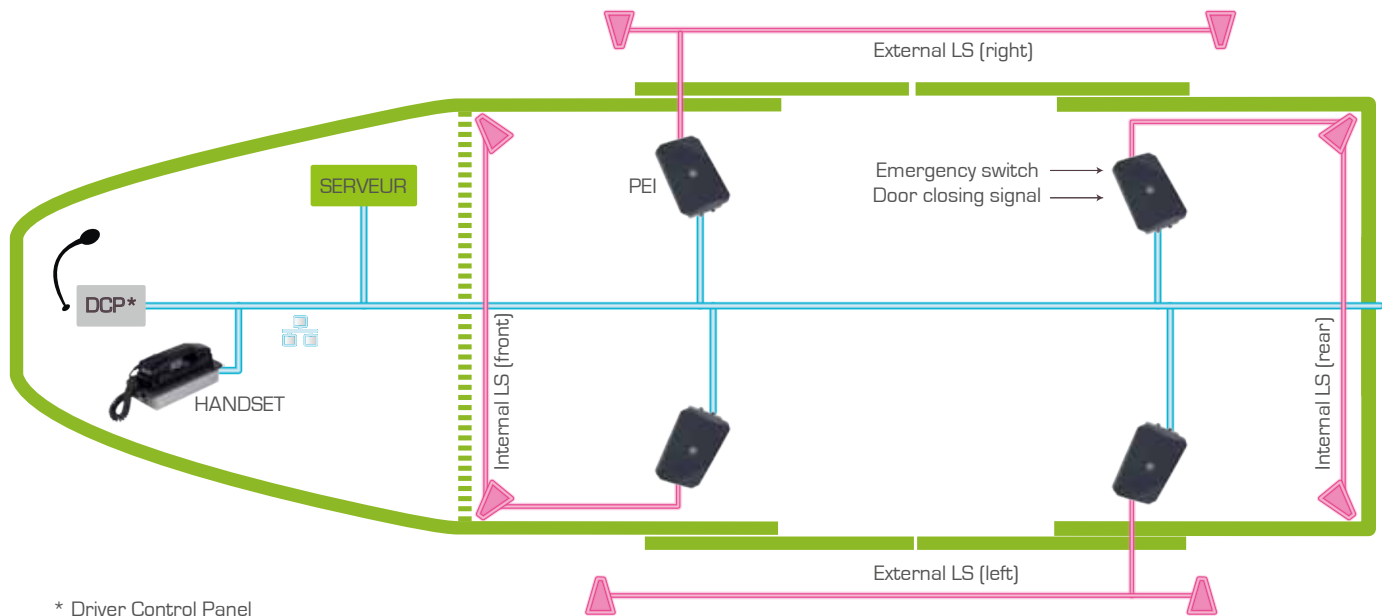


IP Handset



ETIPS

BLOCK DIAGRAM



* Driver Control Panel

ETIPS devices are based on a common electronics platform to reduce production and maintenance costs.

FEATURES

- 10/100 base-T Ethernet
- Power 72V DC EN50155
- Audio power 15W (PEI)
- Analog audio I/O
- No tuning or specific configuration required
- Tunable PEI Front plate (color, shape...)
- Option: Analog audio input and output for backup mode

INTERFACES

- Ethernet
 - 1 connector M12D
 - 1 RJ45 for maintenance
 - 1 M12D for Daisy Chain
- 2/2 logical I/O
- 1 analog audio output (PEI)
- 1 analog radio input (Handset)

ENVIRONMENTS/EMC

- Operating temperature: -25° to +70°C
- Storage temperature: -25° to +85°C
- Standards : EN50155, EN50121-3-2
- Fire & Smoke : EN45545
- TSI PMR compliant

