Passenger Intercom

Rapid help in full duplex mode

The new emergency intercom NRSS 1901 was developed VoIP-capable for SIP applications in public transport. Its full duplex mode enables rapid assistance for the passenger thanks to high communication quality. It is designed for emergency calls in rail vehicles.
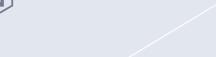
Due to the IP interface, the intercom can be integrated into SIP-compatible telephone systems and so guarantee the highest audio quality. PoE connections minimise cabling and thus installation costs. The intercom is impressive with its robust construction paired with an attractive design. It is also protected against vandalism.

The emergency intercom complies with all European guidelines (TSI PRM) required for operation in public transport as well as other European standards and Swiss guidelines (suitable for the disabled).

Emergency Call 1901

- Fully implemented according to RTE 40100

- PoE (802.3.AF)

- Meets all relevant railway standards (EN50155)

- Certification according to TSI PRM

- Design as an emergency intercom (green frame)

- Easy assembly, installation and commissioning

- Less cabling effort

- Integration into operator-specific information design

- Vandalism protection

- Safe operation in emergency situations

- Robust construction

Passenger intercom emergency call

The passenger intercom Emergency Call 1901 – designed as a hands-free device – allows voice calls to and from the control centre, as well as calls to the train driver. The communication takes place via LAN by means of VoIP (SIP call). The operating status of the intercom is indicated by a row of LEDs and the illuminated SOS button.

Technical specifications:

Nominal voltage	48 V PoE (802.3af)
Power consumption	Standby: 7 W (with emergency call button), Call: 5 W (with emergency call button)
SOS button	Raised push button, LED ring illumination (green), triangular plastic mounting frame with tactile, white SOS lettering and Braille
Operating temperature	-25 to +55°C environment (Class T1 - EN 50155)
LED	5x multicolour LED
Storage temperature	-20 to +85°C
Humidity	Max. 90% relative humidity, non-condensing
Ethernet	10/100Base-TX [FD] according to IEEE 802.3
Weight	1.0 kg
Dimensions	Front plate Width 130, Height 190, Installation depth 55.7 mm
Construction	All-metal body (aluminium/steel combination)
LED	5x multicolour LED