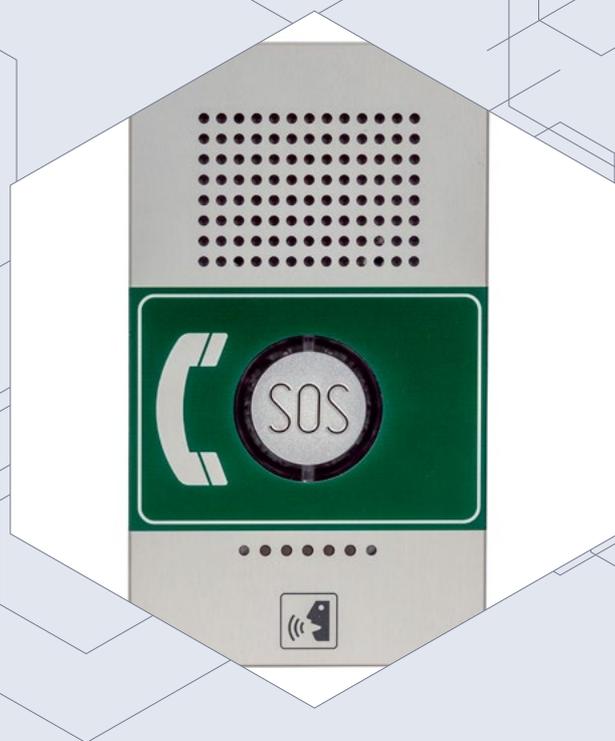![fela logo]

Passenger Intercom

Rapid help in full duplex mode

The new emergency intercom NRSS 1801 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 1801

- Functions according to RTE 40100 emergency equipment
- 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
- Simple integration into operator-specific information design
- Vandalism protection
- Safe operation in emergency situations
- Robust construction

Passenger intercom emergency call

The passenger intercom Emergency Call 1801 – designed as a hands-free device – allows voice calls to and from the control centre, as well as calls to the train driver. Communication takes place via LAN using VoIP (SIP Call). The current mode, such as a running light when the call is established, is displayed using an LED control. When the intercom is in operation, a row of LEDs and the SOS button light up.

Digital I/O, used to read out an activated emergency braking request.

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**	Flat, metallic push button, LED ring illumination (green) with tactile SOS lettering and Braille
■	**Operating temperature**	-25 to +55°C environment (Class T1 - EN 50155)
■	**LED**	5x multicolour LED
■	**Storage temperature**	-40 to +85°C
■	**Humidity**	Max. 90% relative humidity, non-condensing
■	**Ethernet**	10/100Base-TX [FD] according to IEEE 802.3
■	**Weight**	0.9 kg
■	**Dimensions**	Front plate Width 105, Height 185, Installation depth 55.4 mm
■	**Construction**	All-metal body (aluminium/steel combination)
■	**LED**	5x multicolour LED