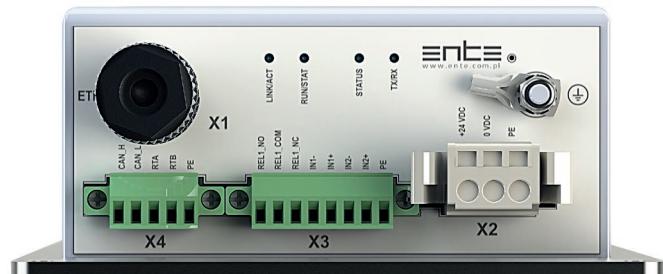




# Passenger Intercom

Public Transport Vehicle's Announcement System



Passenger Intercom Connection

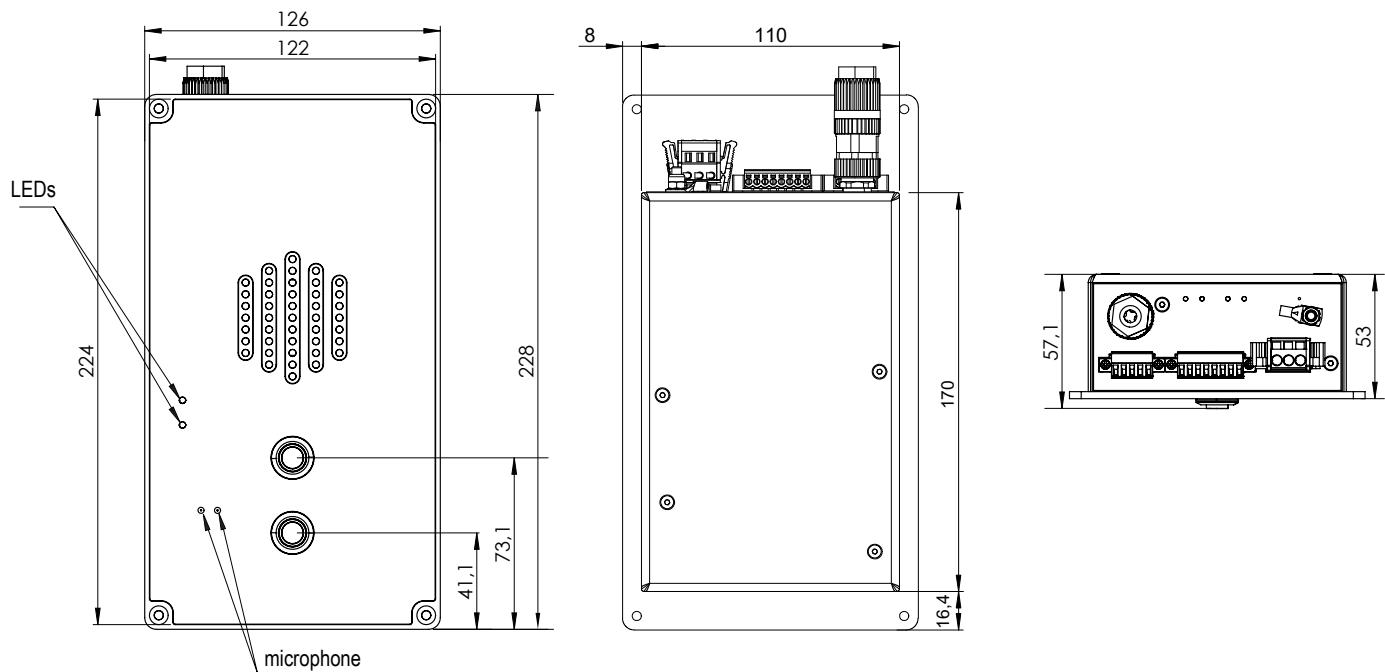
## Passenger Intercom

### General description

The **Passenger Intercom** is designed for installation in public transport vehicles. It enables direct communication between passengers and the personnel responsible for vehicle operation (such as the driver or train conductor).

### Functionality

- ✓ Communication between passenger and train crew
- ✓ Communication between train crew members
- ✓ Integration with external systems



## Technical parameters

<b>Supply voltage</b>	+ 24 V DC lub PoE
<b>Permissible voltage range for 24V DC power supply</b>	+ 16.8 ÷ + 31.2 V DC
<b>Maximum power consumption</b>	4 W
<b>Communication Interface</b>	Ethernet 10/100base-T (M12, D-coded), CAN Bus
<b>Background Noise Adjustment"</b>	CAN Bus
<b>Operating Temperature Range</b>	Yes
<b>IP Rating</b>	-25°C to 70°C
<b>Degree of protection</b>	IP30
	vandal resistance
<b>Buttons type</b>	INFO button: vandal resistance, green LED backlight
<i>Button adapted to PRM TSI requirements</i>	SOS button: vandal resistance, red LED backlight
<b>Button Actuation Force</b>	to 12 N
<b>Dimensions</b>	228 x 126 x 57,1 mm
<b>Weight</b>	0,85 kg
<b>MTBF</b>	80 000 hrs

## Passenger Intercom

### DUAL STATE INPUTS

<b>Number of inputs</b>	2
<b>Input current</b>	10 mA przy 24 V
<b>Switching voltage</b>	7 V
<b>Galvanic isolation</b>	Yes <sup>1)</sup>

### RELAY OUTPUTS

<b>Number of outputs</b>	1
<b>Output Type</b>	NO, NC contact
<b>Resistance</b>	< 1 Ω
<b>Permissible Load</b>	60 V / 0,2 A
<b>Overcurrent protection</b>	0,5 A PTC
<b>Galvanic isolation</b>	Yes <sup>1)</sup>

### ETHERNET

<b>Number of interfaces</b>	1
<b>Data transmission speed</b>	10/100 Mb/s
<b>Standard</b>	10base-T, 100base-T
<b>Connector type</b>	M12 D-Coded
<b>Galvanic isolation</b>	Yes <sup>1)</sup>

<sup>1)</sup> 500 VRMS AC, 50 Hz, 1 min, according to EN 50155.

## Compliance with Standards

**EN 50155** Railway applications - Electronic equipment used in rolling stock.

**EN 50121-3-2** Railway applications- Electromagnetic compatibility

**EN 45545-2** Fire protection in rail vehicles. Part 2: materials and elements on the combustion properties at HL1, HL2 and HL3.

**EN 61373** Railway applications - Rolling stock equipment - Shock and vibration tests.

**PRM TSI 1300/2014, LOC&PAS TSI 1302/2014**

