

# Signal detector from track infrastructure MIREL SN (antenna)

## Type **SN**

illustrative picture

Signal detector from track infrastructure MIREL SN is aimed as co-working equipment to the mobile part of line train protection. It ensures transmission of the signal from track infrastructure of the train protection into the mobile part of the train protection. Transmitted information are modulated into the carrier frequency either 50 Hz or 75 Hz.

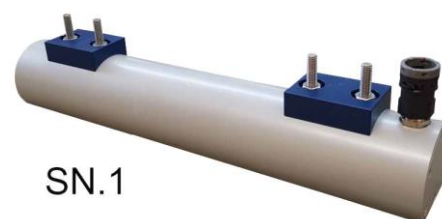
Detector consists of two independent, identical reels put on ferromagnetic core.

Core with reels is placed in a sleeve from polyethylene for SN.0 version, and inside of open aluminium sleeve for SN.1 version.

One pair of detectors is placed under each front of a locomotive.

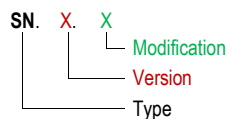


SN.0



SN.1

### Nomenclature



### Version

Designation	Dimension W x H [mm]	Weight [kg]
0	90 x 670	13,0
1	90 x 500	8,0

### Modifications

Designation	Requirements of the standard STN EN 45545-2 : 2016	Scan frequency [Hz]
SN.0.0	Art. 4.7	50 / 75
SN.1.0	HL2	50 / 75

### Prepared modifications

Designation	Requirements of the standard STN EN 45545-2 : 2016	Scan frequency [Hz]
SN.1.1	HL2	up to 3000

### Specifications

Number	Version	Title
257VZ1	110610	MIREL VZ1 Technical conditions
273VZ1	190520	SN, SNNO Installation conditions
2369VZ1	190715	SN.1 Installation terms

### Usage

MIREL VZ1 – Automatic Train Protection System