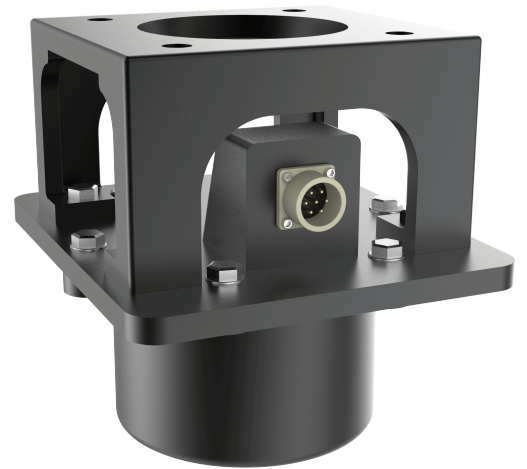


## MagSense

MRD's MagSense track magnet receiver has been designed for maximum reliability in order to detect track magnets used in Station Protection, Automatic Power Control and Automatic Warning Systems. The detector's operation is easily configured and calibrated to latch at the specified field strengths using the provided calibration software. There is no need to open the enclosure to adjust pots. The mode of operation can also be customised to suit specific customer requirements.



## Reliable Track Magnet Detection

MRD's MagSense track magnet receiver has been designed for maximum reliability in order to detect track magnets used in Station Protection, Automatic Power Control and Automatic Warning Systems.

### Features

- Robust industrial design to suit harsh environments
- Circuitry encapsulated in polyurethane potting compound
- Vibration and moisture resistant
- Plug connections for easy installation and maintenance
- Programmable trip point from 1 - 35 Gauss
- Retrofit option available
- EN50155 / IEC 61373 compliant

### Benefits

- Reduced vehicle unavailability and lower maintenance costs
- Overhaul requirements are reduced with maintenance limited to functional testing only



# MagSense

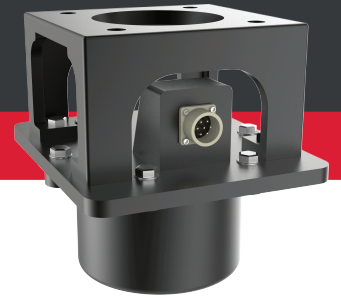
## Track Magnet Detector

MRD Rail Technologies Pty Ltd

+61 7 3821 5151

sales@mrd.com.au

www.mrd.com.au



### Part Numbers

Magsense Retrofit with Cannon Connector	MagSense-RC
Magsense Retrofit with Marachel Connector	MagSense-RM
MagSense New with Cannon Connector	MagSense-C
MagSense New with Marachel Connector	MagSense-M

## Technical Specifications

### General Data

Casing	IP67 Protection, Anodised Aluminium Enclosure	
Dimensions (W x H x D)	157 x 157 x 113mm	
Weight	3kg	
Operating Temperature	-25 to 55°C (EN50155)	
Storage Temperature	-40 to 85°C	
Ambient Relative Humidity	5 to 95% (non-condensing)	

### Power Circuit

Input	50 to 150V DC
Consumption	10W

### Input Circuit

Reset Impedance	90 KΩ
Reset Voltage	45 to 150V DC

### Output Circuit

Voltage	Within 5% of supply voltage
Maximum current	80mA

### Sensitivity/Threshold

North Preset	22.5 ± 2.5 Gauss
South Preset	17.5 ± 2.5 Gauss

### Approvals & Compliances

Transient and Surge Testing	EN50155
Vibration and Shock	EN61373
EMC	EN50121-3-2
MTBF	On request