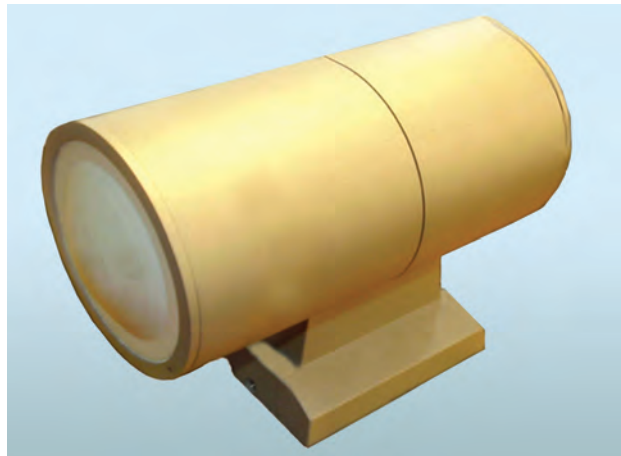


RADAR SENSOR FOR REMOTE CONTROL OF TRACK OCCUPANCY AND MEASUREMENT OF RAILWAY CAR SPEED

Areas of Application

The sensor is used for remote control of track occupancy and railway car speed on hump yards in complicated weather conditions and for protection of railway crossings to reduce the risk of accidents



Specification

The sensors are equipped with systems for remote control and transmission of radar data and service information to the control point.

Operating frequency, GHz	36.5
Max. range in the distance control mode, m	30
Max. range in the Doppler radar mode, m	50
Distance resolution, m	1
Speed detection range, km/h	0.5–35
Weight, kg	0.7
Dimensions (diameter/length), mm	92/170
Power consumption	12V/0.5A

Advantages

As compared with the counterparts, these sensors can perform various control functions. The sensors are able to operate in unfavorable meteorological conditions (snow, rain, and fog) and insusceptible to frosting

IPR Protection

IPR1, IPR2

Stage of Development.

Suggestions for Commercialization

IRL6, TRL6

Manufacture, delivery, warranty service, and staff training, upon request

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