SRD sensor CAN Horizontal Article no. 0004310 **SRD sensor CAN Vertical** Article no. 0004320 2020 • DS0963201 EN A 04





Product Data

Dimensions







10mm



TECHNICAL DATA

SRD sensor CAN

Article Number Connector orientation Antenna beam	Description 0004310 Side H 90° x V 11°	0004320 Top or bottom H 90° x V 11°		
Supply voltage Supply current Frequency ISM Band	Electrical 8 to 16V (protected a 120mA (typ.). 24.000 GHz 24.29 Preset the u UK 24.150 GHz France 24.000 GHz Japan 24.050 GHz	against reverse polarity). 50 GHz (USA, EU Member states and EFTA countries) I nit to: 24.250 GHz (high band) 24.150 GHz (Low band) 24.250 GHz		
Max. transmit power Detection area Separation distance Sensitivity Obstacle reaction delay Output hold time	 Please consult Orlaco before using this radar in other areas. 20dBm (EIRP) ETSI 300 / 440 compliant with 250MHz bandwidth. 2m 20m, divided in 5 equally sized segments. 1m 4m (configurable), mounting distance between radar units in case of Corner Rear setup. Ability to detect a person of average child size. Moving object sensitivity (0 – 100, 50 is the current sensitivit Non-moving object sensitivity (0 – 100, 50 is the current sensitivity). 50ms. 500ms. 			
Mounting Resolution Housing Weight Operating temperature Communication	Mechanical For mounting four N +/- 20cm. Waterproof and vibra 0,60kg. -40°C+85°C. Monitor and radar co Communication spec Fully Compliant with	l4 Vibration dampers are included. ation proof. ommunicate with the data link layer to transmit and receive CAN messages. ed: 250kbps. Each radar unit will send 1 message each 50ms (20 times per second). CAN Standard rev 2.0 A and rev 2.0 B. ISO16845 certified.		
Appprovals	Certification Frequency Communi	cation standards: ETSI(Europe) and FCC(USA).		

Available documentation User manual UM0972110 and System Manual SM0974110.

Electrical connections

= Power = Can L

= 0V

Cable M12 Green 1 = Red



2 = Blue 3 = Black 4 = Blue/White = Can H 5 = Orange = N.C.

Front side connector molded M12 5p male



Code A Front side connector molded M12 5p female

Cable M12 Red = Power 1 = Red

- 2 = Blue = Can L 3 = Black= 0V 4 = Blue/White = Can H
- 5 = Orange = M/S Communication

All data subject to change without notice. All dimensions are for commercial purpose only.

The camera/display systems from Orlaco comply with the latest CE, ADR, EMC and mirror-directive regulations, where applicable. All products are manufactured in accordance with the ISO 9001 quality management system, IATF 16949 quality automotive, ISO 14001 environmental management systems and all Ex products with the IECEx scheme and ATEX directives, where applicable.



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CE

EU Declaration of Conformity

We, (manufacturer): **Orlaco Products B.V.** Albert Plesmanstraat 42, 3772 MN Barneveld The Netherlands

Vision is

our mission

Declare under our sole responsibility that the following line of product(s):

Product name	:	SRD sensor	
Trade name		Orlaco	
Type Decoding Key (TDK)		PE99XXXXX	
* X = 0 9 or $A = 7$ (exclusive	i/I	$o(\Omega, \Omega, and X)$	

* X=0,...,9 or A,...,Z (exclusive i/I o/O, Q and X)

To which this declaration relates is in conformity with the requirements of the following specifications:

Radio	EN 300 440-2	V1.4.1	Radio spectrum matters, SRD equipment used in 1-40 GHz band
Equipment	EN 302 288-2	V1.3.2	Radio spectrum matters, SRD equipment, Road Transport and Traffic
Directive			Telematics, 24 GHz
2014/53/EU	EN 301 489-1	V1.8.1	EMC, Part 1 Common technical requirements
	EN 301 489-3	V1.4.1	EMC, Part 3 Specific conditions for Short Range Devices (SRD)
	EN 60950-1	2006	Electrical safety Information technology equipment, Part 1 general
			requirements

RoHS directive 2011/65/EU	EN505081	2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances
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Signed by or of the manufacturer:

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Name Title Place and date of issue Jan van Beek Managing Director Barneveld, June 20th, 2017