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▶ Extract from the online catalog



[kajal] Unidirectional, wireless, 900 MHz transmission system (America), consists of an outdoor transmitter (transmitter, Tx) with 9...30 V DC supply, a DIN-mountable receiver (receiver, Rx) with 12...30 V DC supply, and antennas

Order No.	2867034
Ord designation	RAD-ISM-900-SET-DC-UD
EAN	4017918929572
Pack	1 Pcs.
Customs tariff	85176939
Weight/Piece	0,891 KG
Catalog page information	Page 543 (IF-2007)

▶ Technical data

Wireless set

Set contents Transmitter, receiver

Spark gap

Direction	Uni-directional
Frequency range	902 MHz ... 928 MHz
Number of channel groups	4
Number of channels per group	63
Transmission capacity	1 W

Analog input (sender)

RAD-ISM-900-SET-DC-UD



Description of the input	Current input (analog input)
Current input signal	4 mA ... 20 mA
Input resistance current input	< 170 Ω

Digital input (sender)

Input voltage range	5 V AC/DC ... 30 V AC/DC
Switching threshold "0" signal, voltage	Max. 1.5 V DC
Switching threshold "1" signal voltage	Min. 5 V DC

Analog output (receiver)

Output name	Current output
Current output signal	4 mA ... 20 mA
Load/output load current output	700 Ω (at $U_B = 24$ V, $R_B = [U_B - 10$ V] / 20 mA)

Digital output (receiver)

Output name	2 x relay output + 1 x RF link
Contact type	3 floating PDT contacts
Contact material	Ag, gold-plated
Maximum switching voltage	30 V DC
Maximum switching voltage	120 V AC
Limiting continuous current	0.5 A
Service life mechanical	1×10^7
Service life, electrical	8×10^5 cycles at a switching current of 0.5 A

Supply (receiver)

Supply voltage	24 V DC (at U_B)
Range of supply voltages	12 V DC ... 30 V DC
Typical current consumption	85 mA
Max. current consumption	125 mA

Supply (sender)

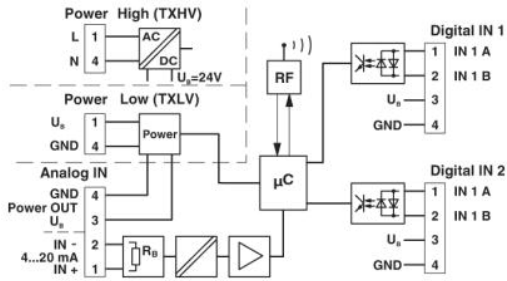
Supply voltage	24 V DC
Range of supply voltages	9 V DC ... 30 V DC
Typical current consumption	75 mA
Max. current consumption	350 mA

General data

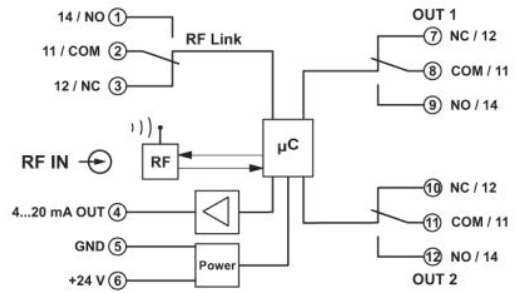
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Length	99 mm
Length	280 mm
Width	17.5 mm
Width	57 mm
Height	114.5 mm
Height	57 mm
Conformance	FCC directive, Part 15.247
Conformance	ISC directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

► Drawings

Block diagram



Transmitter module



Receiver module

Logo



► Accessories

Item	Designation	Description
Cable/conductor		
2867238	RAD-CAB-LMR400-100	Antenna extension cable, length: 100 ft
2867380	RAD-CAB-LMR400-60	Antenna extension cable, length: 60 ft
2867393	RAD-CAB-LMR400-80	Antenna extension cable, length: 80 ft
2885210	RAD-CAB-LMR600-125	Antenna extension cable, length: 125 ft
2885184	RAD-CAB-LMR600-150	Antenna extension cable, length: 150 ft
2885197	RAD-CAB-LMR900-200	Antenna extension cable, length: 200 ft
2867597	RAD-CAB-RG213-25	Antenna extension cable, length: 25 ft
2867377	RAD-CAB-RG213-40	Antenna extension cable, length: 40 ft
2867225	RAD-CAB-RG213-50	Antenna extension cable, length: 50 ft
2867364	RAD-CAB-RG58-10	Antenna extension cable, length: 10 ft
2867212	RAD-CAB-RG58-20	Antenna extension cable, length: 20 ft
General		
2867050	RAD-ISM-900-ANT-4	4-way distributor for antenna signals (antenna splitter), MCX connection (female)
2867160	RAD-ISM-900-ANT-OMNI-0-6	Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)
2867199	RAD-ISM-900-ANT-OMNI-5	Omnidirectional antenna, IP65 protection, gain 7 dBi, connection N (female)
2867791	RAD-ISM-900-ANT-OMNI-FG-3-N	Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)
2885579	RAD-ISM-900-ANT-OMNI-FG-6-N	Omnidirectional antenna, IP65 protection, gain 8 dBi, connection N (female)
2867801	RAD-ISM-900-ANT-YAGI-3-N	Panel antenna, IP65 protection, gain 5 dBi, cable length 1.5 m, connection N (female)
2867209	RAD-ISM-900-ANT-YAGI-6	Panel antenna, IP65 protection, gain 8 dBi, connection N (female)
2867827	RAD-ISM-900-ANT-YAGI-6.5-25-AS	Panel antenna with surge protection, adapter cable MCX->N and assembly material, IP65 protection, gain 8.5 dBi, cable length 7.6 m, connection N (female)
2867830	RAD-ISM-900-ANT-YAGI-6.5-50-AS	Panel antenna with surge protection, adapter cable MCX->N and assembly material, IP65 protection, gain 8.5 dBi, cable length 15.2 m, connection N (female)
2867814	RAD-ISM-900-ANT-YAGI-6.5-N	Panel antenna, IP65 protection, gain 8.5 dBi, cable length 1.5 m, connection N (female)
2867351	RAD-ISM-900-ANT-YAGI-9	Panel antenna, IP65 protection, gain 11 dBi, connection N (female)
Plug/Adapter		
2867607	RAD-CON-MCX-MCX-SS	Adapter cable, pigtail 30 cm SMA (m) -> N (m)
2867717	RAD-CON-MCX-N-SB	Adapter cable, pigtail 120 cm MCX(m) -> N(f)
2885621	RAD-CON-MCX-RPSMA-EX	Adapter cable for Ex zone 1, pigtail 90 cm MCX (m) -> RPSMA (m)
2885207	RAD-CON-MCX90-N-SS	Adapter cable, pigtail 120 cm 90° MCX(m) -> N(f)
2867403	RAD-CON-SMA-N-SS	Adapter cable, pigtail 120 cm SMA(m) -> N(m)

► Address

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