

RAD-ISM-900-SET-UD-ANT

Order No.: 2867102



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2867102>

Unidirectional, wireless, 900 MHz transmission system (America), made up of a transmitter (Tx) and a receiver (Rx) and two antennas with connecting cable



Commercial data

GTIN (EAN)	 4 017918 929558
sales group	H171
Pack	1 pcs.
Customs tariff	85176990
Catalog page information	Page 668 (IF-2011)

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Wireless set

Set contents	Transmitter, receiver, 2 aerials
--------------	----------------------------------

Wireless path

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

Analog input (sender)

Description of the input	Current input (analog input)
Current input signal	4 mA ... 20 mA
Input resistance current input	< 150 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
	120 V AC
Limiting continuous current	0.5 A
Mechanical service life	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)
Supply voltage range	12 V DC ... 30 V DC
Typical current consumption	85 mA
Max. current consumption	125 mA

Supply (sender)

Supply voltage	24 V DC
Supply voltage range	12 V DC ... 30 V DC
Typical current consumption	75 mA
Max. current consumption	350 mA

General data

Width	17.5 mm
Height	99 mm
Depth	114.5 mm
Width	17.5 mm
Height	99 mm
Depth	114.5 mm
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Mounting position	Any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

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
2867212	RAD-CAB-RG58-20	Antenna extension cable, length: 20 ft

General

2867160	RAD-ISM-900-ANT-OMNI-0-6	Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)
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)
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)

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(m)
2867403	RAD-CON-SMA-N-SS	Adapter cable, pigtail 120 cm SMA(m) -> N(m)

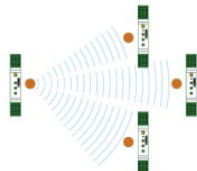
Diagrams/Drawings

Application drawing

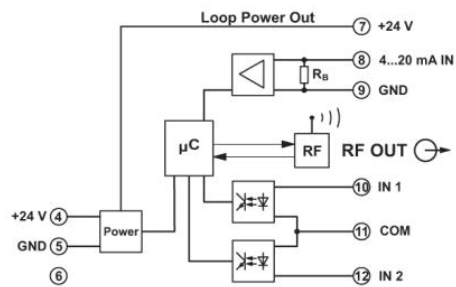
Point-to-point



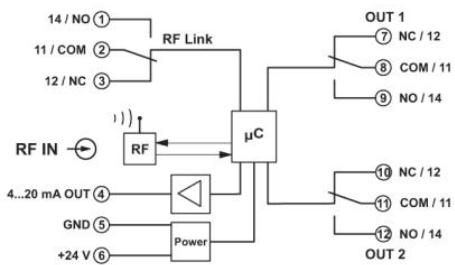
Point-to-multipoint



Block diagram



Transmitter module



Receiver module

Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2011 Phoenix Contact
Technical modifications reserved;