

Wireless module - RAD-ISM-900-TX - 2867076

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Transmitter as replacement device, for unidirectional, wireless 900 MHz transmission system (America)



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	149.0 GRM
Custom tariff number	85176990
Country of origin	Canada

Technical data

Dimensions

Width	17.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

Wireless set

Set contents	Transmitter
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Wireless path

Direction	Uni-directional
Frequency range	902 MHz ... 928 MHz
Number of channel groups	4

Wireless module - RAD-ISM-900-TX - 2867076

Technical data

Wireless path

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

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

Mounting position	any
Assembly instructions	NS 35 in acc. with EN 60715
Housing material	Polyamide PA non-reinforced
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

Wireless module - RAD-ISM-900-TX - 2867076

Classifications

eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	43223108
UNSPSC 11	39121008
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108

Accessories

Accessories

Adapter cable

Antenna cable - RAD-CON-MCX-N-SB - 2867717

Adapter cable, pigtail 120 cm MCX(m) -> N(f)

Antenna cable - RAD-CON-SMA-N-SS - 2867403



Adapter cable, pigtail 120 cm SMA(m) -> N(m)

Wireless module - RAD-ISM-900-TX - 2867076

Accessories

Antenna cable - RAD-CON-MCX-MCX-SS - 2867607



Adapter cable, 30 cm, MCX(m) to MCX (m)

Antenna cable - RAD-CON-MCX90-N-SS - 2885207



Adapter cable, pigtail 120 cm 90° MCX(m) -> N(m)

Antenna cable - RAD-CON-MCX-RPSMA-EX - 2885621



Adapter cable for Ex zone 1, pigtail 90 cm MCX (m) -> RPSMA (m)

Antenna

Antenna - RAD-ISM-900-ANT-OMNI-5 - 2867199



Omnidirectional antenna, IP65 protection, gain 7 dBi, connection N (female)

Antenna - RAD-ISM-900-ANT-OMNI-FG-3-N - 2867791



Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)

Wireless module - RAD-ISM-900-TX - 2867076

Accessories

Antenna - RAD-ISM-900-ANT-YAGI-3-N - 2867801



Panel antenna, IP65 protection, gain 5 dBi, cable length 1.5 m, connection N (female)

Antenna - RAD-ISM-900-ANT-YAGI-6.5-N - 2867814



Panel antenna, IP65 protection, gain 8.5 dBi, cable length 1.5 m, connection N (female)

Antenna - RAD-ISM-900-ANT-YAGI-6.5-25-AS - 2867827



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)

Antenna - RAD-ISM-900-ANT-YAGI-6.5-50-AS - 2867830



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)

Antenna - RAD-ISM-900-ANT-OMNI-0-6 - 2867160



Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)

Wireless module - RAD-ISM-900-TX - 2867076

Accessories

Antenna - RAD-ISM-900-ANT-OMNI-FG-6-N - 2885579

Omnidirectional antenna, IP65 protection, gain 8 dBi, connection N (female)



Coaxial adapter

Antenna splitter - RAD-ISM-900-ANT-4 - 2867050



4-way distributor for antenna signals (antenna splitter), MCX connection (female)

Coaxial cable

Antenna cable - RAD-CAB-RG58-10 - 2867364



Antenna extension cable, length: 10 ft

Antenna cable - RAD-CAB-RG58-20 - 2867212



Antenna extension cable, length: 20 ft

Antenna cable - RAD-CAB-RG213-25 - 2867597



Antenna extension cable, length: 25 ft

Wireless module - RAD-ISM-900-TX - 2867076

Accessories

Antenna cable - RAD-CAB-RG213-40 - 2867377



Antenna extension cable, length: 40 ft

Antenna cable - RAD-CAB-RG213-50 - 2867225



Antenna extension cable, length: 50 ft

Antenna cable - RAD-CAB-LMR400-60 - 2867380



Antenna extension cable, length: 60 ft

Antenna cable - RAD-CAB-LMR400-80 - 2867393



Antenna extension cable, length: 80 ft

Antenna cable - RAD-CAB-LMR400-100 - 2867238



Antenna extension cable, length: 100 ft

Wireless module - RAD-ISM-900-TX - 2867076

Accessories

Antenna cable - RAD-CAB-LMR600-125 - 2885210



Antenna extension cable, length: 125 ft

Antenna cable - RAD-CAB-LMR600-150 - 2885184



Antenna extension cable, length: 150 ft

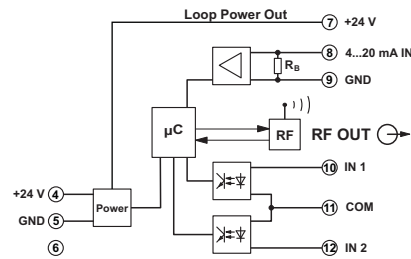
Antenna cable - RAD-CAB-LMR900-200 - 2885197



Antenna extension cable, length: 200 ft

Drawings

Block diagram



Transmitter module