Product data sheet
Characteristics

XZBWE112A24
wireless transmitter for sensors and switches



Main

Product or component type	Radio transmitter
Number of inputs	1 sensor per transmitter

Complementary

[Us] rated supply voltage	24 V DC 15 mA (-15...20 %)
Contacts type and composition	NO
Discrete input type	NPN or PNP for sensor
Supply voltage limits	20.4...29 V DC
Power consumption in W	0.29 W at 24 V DC
Supply current for sensors	<= 100 mA at 24 V without overload protection (-15...20 %)
Voltage state1 guaranteed	Input: 20.4...< 24 V
Current state 1 guaranteed	Input: 1.6 mA
Voltage state 0 guaranteed	Input: > 0...7.2 V
Current state 0 guaranteed	Input: <= 1.5 mA
Response time	< 30 ms
Protection type	External fuse, fast blow, 400 mA
Communication port protocol	Zigbee conforming to IEEE 802.15.4
Zigbee profile	Green power
Transmission frequency	<= 0.5 Hz
Maximum sensing distance	25 m in industrial environment 100 m in free field
Local signalling	LED blinking for no data transmission Sensor output: 1 LED green or orange for on/off
Electrical connection	Power supply: 1 male connector M12, 4 Sensor: 1 female connector M12, 5
Marking	CE
Height	65 mm
Depth	23 mm
Width	68 mm
Product weight	0.051 kg

Environment

Product certifications	CE
Electromagnetic compatibility	Conducted and radiated emissions: class B conforming to CISPR 22
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Relative humidity	90 % without condensation
IP degree of protection	IP55

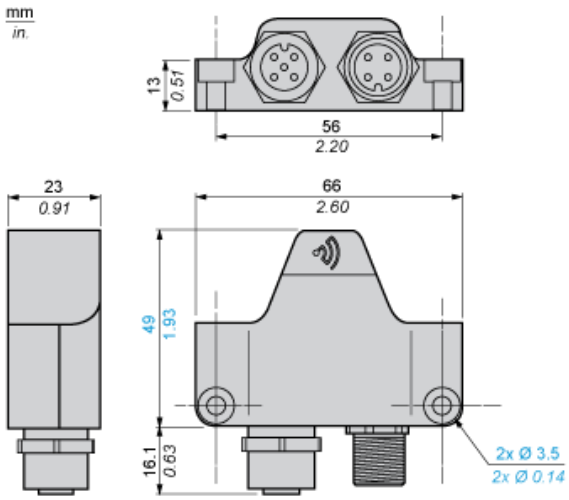
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Vibration resistance	2 gn (8...150 Hz) conforming to IEC 60068-2-6 +/- 7.5 mm (5...14 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn with 6000 shocks during 16 ms conforming to IEC 60068-2-27

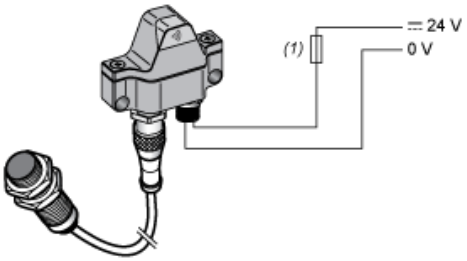
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1510 - Schneider Electric declaration of conformity

Transmitter Dimensions

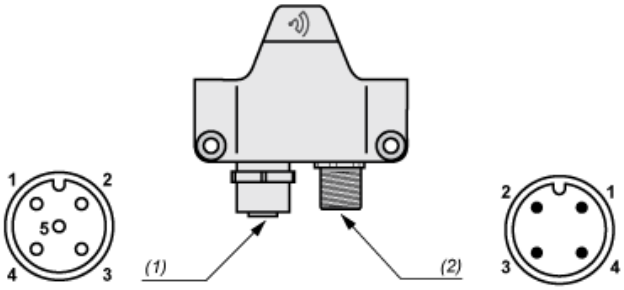


Transmitter Wiring Diagram



(1) 400 mA fast-blow fuse

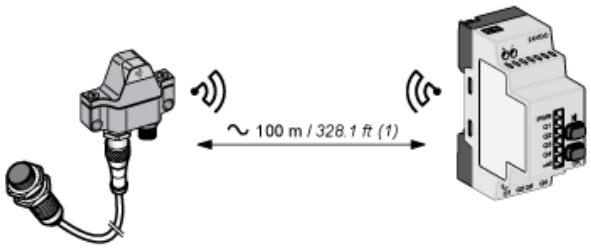
Transmitter Wiring Diagram



(1) Socket Sensor Input
- Pin 1 : 24 Vdc (output to sensor)
- Pin 2 : Not used
- Pin 3 : 0 Vdc
- Pin 4 : No NPN or PNP or contact input from the sensor
- Pin 5 : Not used

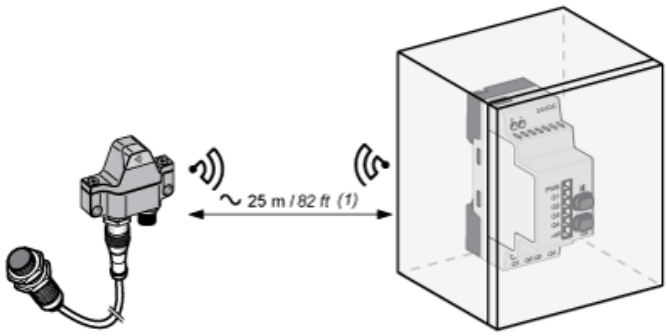
(2) Socket Power Supply (male)
- Pin 1 : 24 Vdc
- Pin 2 : Not used
- Pin 3 : 0 Vdc
- Pin 4 : Not used

Unobstructed Mounting



(1) Typical values that may be modified by the application environment.

Mounting in a Metal Cabinet



(1) Typical values that may be modified by the application environment.