Product data sheet Characteristics

XZBWE112A24

Radio transmitter, wireless for sensors and switches



Main

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

[Us] rated supply voltage	24 V DC, <15 mA (-1520 %)	
Contacts type and composition	NO	
Discrete input type	NPN or PNP for sensor	
Supply voltage limits	20.429 V DC	
Power consumption in W	0.29 W at 24 V DC	
Maximum supply current for sensors	100 mA at 24 V without overload protection (-1520 %)	
Voltage state 1 guaranteed	20.4< 24 V for input	
Current state 1 guaranteed	1.6 mA (input)	
Voltage state 0 guaranteed	> 07.2 V for input	
Current state 0 guaranteed	<= 1.5 mA (input)	
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	
Input frequency	0.5 Hz	
Maximum sensing distance	100 M in free field 25 m in industrial environment	
Local signalling	Sensor output: 1 LED green or orange for on/off LED blinking for no data transmission	
Electrical connection	Sensor: 1 female connector M12, 5 Power supply: 1 male connector M12, 4	
Marking	CE CULus FCC IC	
Height	65 mm	
Depth	23 mm	
Width	68 mm	
Net weight	0.051 kg	

Environment

Product certifications	CE[RETURN]cULus[RETURN]FCC[RETURN]IC
Electromagnetic compatibility	Conducted and radiated emissions class B conforming to CISPR 22
Ambient air temperature for operation	-2555 °C
Ambient air temperature for storage	-4070 °C
Relative humidity	90 %, without condensation



The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentations in ort intended as a substitute for and is not to be used for determining substitity or reliability or these products for specific user applications. It is the duty of 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 TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

IP degree of protection	IP67
Vibration resistance	+/- 7.5 mm (f= 514 Hz) conforming to IEC 60068-2-6 2 gn (f= 8150 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn (duration = 16 ms) for 6000 shocks conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	6.5 cm
Package 1 Length	9.5 cm
Package 1 Weight	80.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	22
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.985 kg

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com



Product data sheet **Dimensions Drawings**

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Transmitter Dimensions





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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)	

(2) Socket Power Supply (male)

Pin 1 : 24 Vdc
Pin 2 : Not used
Pin 3 : 0 Vdc
Pin 4 : Not used



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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.

