

Product data sheet

Specifications



Wireless and batteryless range,
Harmony XB5R, Relay Antenna, AC
DC, 5m cable output

ZBRA1

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony XB5R
Product or Component Type	Wireless and batteryless range
Device short name	ZBRA
Product destination	Wireless Schneider Electric ecosystem devices
Control station application	Transceiver (emission and reception)
Colour of base of enclosure	Black RAL 9011)
Colour of cover	Transparent
Material	Polycarbonate
frequency	2405 MHz transmitter 2405 MHz receiver
Antenna type	Omnidirectional
Antenna gain	0 dBi
emission class	5M00G7W

Complementary

Maximum sensing distance	984.3 ft (300 m) transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna
Emission Power	3 mW
[Us] Rated Supply Voltage	24...240 V AC/DC 50/60 Hz - 10...10 %
Maximum power consumption in W	4 W AC/DC
Operating position	Vertical
Status LED	1 LED Green power ON 1 LED Green emission signal
Overvoltage category	III conforming to IEC 60664-1
Rated short-duration power frequency withstand voltage	4 kV 50 Hz IEC 60947-5-1
Electrical connection	2 conductors cable 0.0005 in² (0.34 mm²) - flexible - 16.4 ft (5 m) conforming to IEC 60947-1
Tightening torque	5.3 lbf.in (0.6 N.m)
Housing material	Polycarbonate
Number of channels	1
Modulation technique	O-QPSK
Product Weight	0.4 lb(US) (0.2 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

Environment

Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Electrical shock protection class	Class II conforming to IEC 61140
IP degree of protection	IP65 IEC 60529 131 °F (55 °C) 0.1 m
Pollution degree	3 IEC 60664-1
IK degree of protection	IK03 conforming to IEC 62262
Product Certifications	CCC BT 2006/95/EC UL GOST CSA CE C-tick
Directives	1999/5/EC - R&TTE directive 2004/108/EC - electromagnetic compatibility
Vibration resistance	+/-0.5 mm (f= 10...55 Hz) conforming to IEC 60068-2-6 6 gn (f= 55...150 Hz) conforming to IEC 60068-2-6
Shock resistance	25 gn 6 ms) 6000 shocks IEC 60068-2-27 15 gn 11 ms) half sine wave acceleration IEC 60068-2-27
Insulation resistance	> 500 MOhm 500 V DC NF C 20030
[UI] rated insulation voltage	250 V IEC 60664-1

Ordering and shipping details

Category	US1000I22470
Discount Schedule	000I
GTIN	3606480334689
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.150 in (8.000 cm)
Package 1 Width	3.150 in (8.000 cm)
Package 1 Length	7.362 in (18.700 cm)
Package weight(Lbs)	9.418 oz (267.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	11.669 lb(US) (5.293 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	2 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	25b7f895-3732-43c8-9910-ef6005058640
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, 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

Use Longer



Lifetime extension

Repair	No
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Use Again

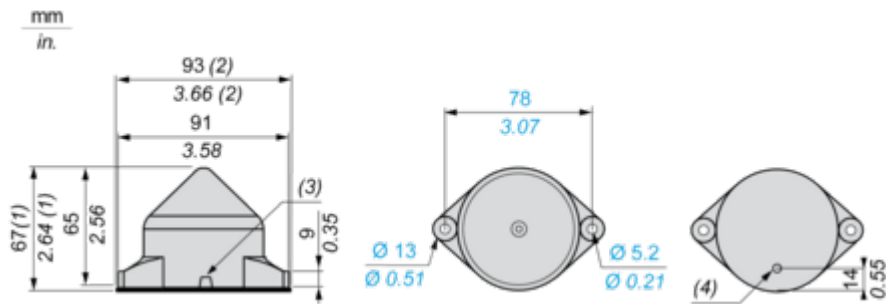


Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

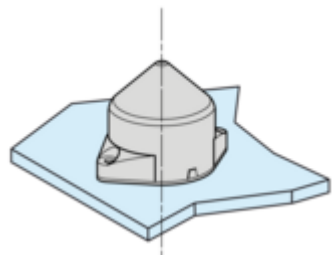
Relay-Antenna



- (1) Knock-out for wire routing, maximum capacity 14 mm/0.55 in.
- (2) With seal
- (3) Radial cable route
- (4) Axial cable route

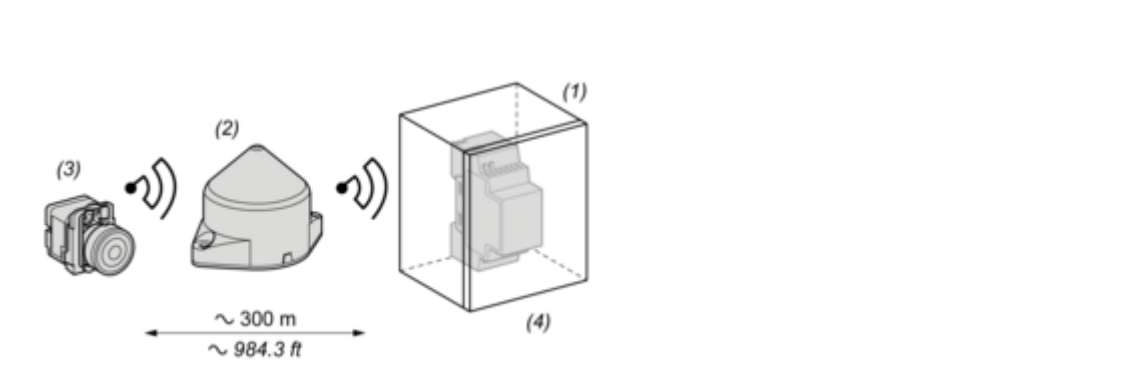
Mounting and Clearance

Antenna Mounting



The antenna is installed following his vertical axis

Antenna Clearance in a Metal Enclosure



- (1): Metal enclosure
- (2): Relay Antenna
- (3): Transmitter
- (4): Receiver

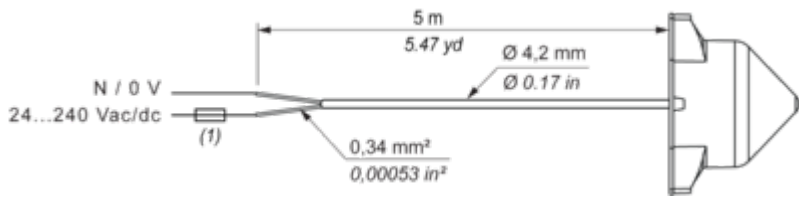
The range is reduced if the transmitter is placed in a metal enclosure (reduction factor:approx 10%).

Glass window	10...20 %
Plaster wall	30...45 %
Brick wall	60 %
Concrete wall	70...80 %
Metal structure	50...100 %

Connections and Schema

Relay-Antenna

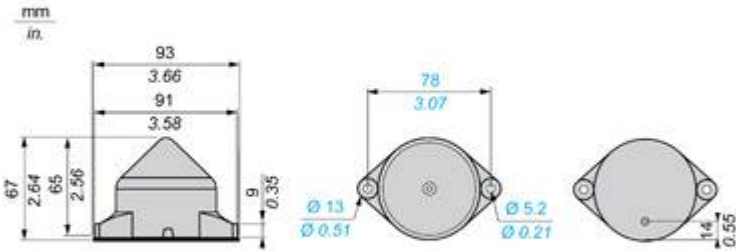
Wiring Diagram



(1) 400 mA fast-blow fuse

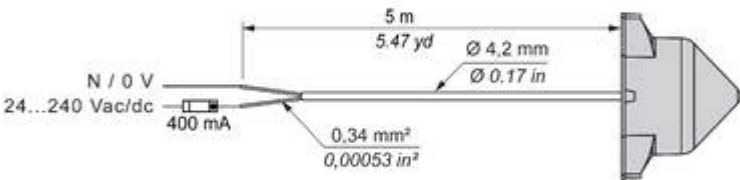
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Features

Harmony XB5



Quick and easy assembly and disassembly



Excellent mechanical connection with operator head



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Robustness to withstand harsh environments



Large set of accessories to customize your panels



Image of product / Alternate images

Alternative



Image of product in real life situation

