

ZBRA2

Harmony XB5R, External antenna for harmony Hub ZBRN1 and ZBRN2, 2 m cable, 1 radio frequency connector



Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless range
Device short name	ZBRA
Product destination	Wireless access point
Colour of base of enclosure	Black (RAL 9011)

Complementary

Communication port protocol	Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4
Kit composition	Antenna with cable 2 m
Input impedance	50 Ohm
Connector type	MCX female
Antenna gain	3 dBi at 83...100 Hz
Maximum sensing distance	100 m access point in free field
Net weight	0.04 kg

Environment

Relative humidity	90 % at -20...55 °C, without condensation conforming to ETSI EN 300 440-1
Electrical shock protection class	Class II conforming to IEC 61140

Packing Units

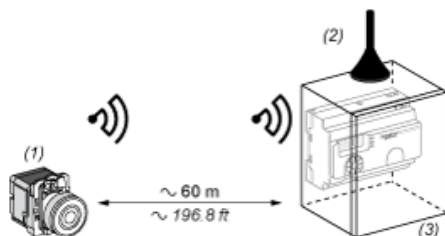
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	50 g
Package 1 Height	4 cm
Package 1 width	10 cm
Package 1 Length	22 cm
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Weight	3.024 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Clearances

Maximum Distance between Transmitter and the Access Point in a Metal Enclosure with an External Antenna



- (1) Transmitter
- (2) External Antenna
- (3) Access Point in a Metal enclosure

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 %