

Wireless and batteryless transmitter, transmitter, Harmony XB5R, mushroom head 40mm, plastic, black, 22mm, spring return

ZB5RTC2

Product availability: Stock - Normally stocked in distribution facility

#### Main

Range of Product	Harmony XB5
Product or Component Type	Wireless and batteryless transmitter
Device short name	XB5R
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Mounting diameter	1.6 in (40 mm)
Transmission frequency	2405 MHz
emission class	5M00G7W
Antenna type	Omnidirectional

## Complementary

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Shape of signaling unit head	Round
Type of operator	spring return push-button with transmitter
Operator profile	Black mushroom Ø 40 mm, unmarked
Max power consumption in W	1 mW
Number of channels	16
Modulation technique	O-QPSK
Bandwidth	5 MHz
Antenna gain	0 dBi
Embedding Depth	1.7 in (43 mm)
CAD overall height	1.68 in (42.75 mm)
CAD overall width	1.09 in (27.8 mm)
CAD overall depth	1.1 in (28.8 mm)
Operating travel	0.2 in (4.3 mm) total travel)
Operating force	10 N C/O changing electrical state
Mechanical robustness	Free fall resistance 1000 mm IEC 60068-2-32
Standards	CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 UL 508

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

Radio agreement	ANATEL ARIB T66 FCC ICASA RSS	
Communication port protocol	Zigbee green power 2.4 GHz IEEE 802.15.4	
Maximum sensing distance	328.08 ft (100 m) in free field 82.02 ft (25 m) transmitter in a plastic box type XAL D and receiver in a metal enclosure 984.3 ft (300 m) transmitter in box type XAL D, receiver in metal enclosure and use relay-antenna	
Acquisition time	2 ms	
Response time	< 2 ms	
Emission Power	3 mW	
Fixing mode	Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)	
Device Composition	ZB5RZC2 ZBRT1	

# **Environment**

Ambient Air Temperature for Storage	-40158 °F (-4070 °C)	
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)	
Relative humidity	95 % -40158 °F (-4070 °C) without condensation	
IP degree of protection	IP66 IEC 60529 front face) IP67 IEC 60529 front face) IP69 IEC 60529 front face) IP69K IEC 60529 front face)	
IK degree of protection	IK03 conforming to IEC 50102	
Mechanical durability	1000000 cycles	
Shock resistance	25 gn 6 ms) 6000 shocks IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27	
Vibration resistance	+/- 10 mm (f= 211 Hz) conforming to IEC 60068-2-6	
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts)) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal parts)) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 20 V/m (803000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 6 V/m (30006000 MHz, distance = 20 m) conforming to IEC 61000-4-3	
Product Certifications	BT 2006/95/EC CCC CSA GOST UL C-tick	
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive	

# Ordering and shipping details

Category	US1000I22470
Discount Schedule	0001
GTIN	3606480571763
Returnability	Yes

Country of origin FR

# **Packing Units**

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Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.57 in (4 cm)
Package 1 Width	2.05 in (5.2 cm)
Package 1 Length	4.88 in (12.4 cm)
Package weight(Lbs)	2.4 oz (68 g)
Unit Type of Package 2	S02
Number of Units in Package 2	42
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.348 lb(US) (3.333 kg)

# **Contractual warranty**

Warranty 18 months



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		
Carbon footprint (kg CO2 eq, Total Life cycle)	2	

#### **Use Better**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	E1d47e89-a4e1-4f33-a0c0-2fe5c9179aa4
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

### **Use Again**

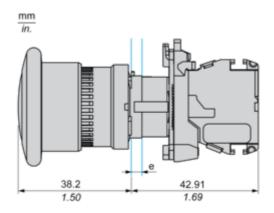
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

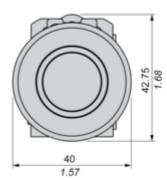
# ZB5RTC2

### **Dimensions Drawings**

#### **Dimension Drawing**

### Complete Transmitter - Ø40 Mushroom Pushbutton Head Ø22 Spring Return





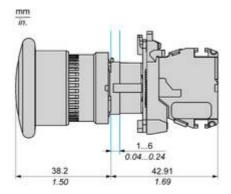
e: panel thickness 1 to 6 mm / 0.039 to 0.24 in.

# **Product data sheet**

## ZB5RTC2

**Technical Illustration** 

### **Dimensions**



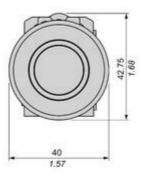


Image of product / Alternate images

### **Alternative**











