



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	1.57 in (40 mm)
Transmission frequency	2405 MHz
Emission class	5M00G7W
Antenna type	Omnidirectional

Complementary

Shape of signaling unit head	Round
Type of operator	Spring return push-button with transmitter
Max power consumption in W	1 mW
Number of channels	1
Modulation technique	O-QPSK
Bandwidth	5 MHz
Antenna gain	0 dBi
Embedding depth	1.69 in (43 mm)
CAD overall height	1.68 in (42.75 mm)
CAD overall width	1.09 in (27.8 mm)
CAD overall depth	1.13 in (28.8 mm)
Operating travel	0.17 in (4.3 mm) total travel)
Operating force	25 N C/O changing electrical state
Mechanical robustness	Free fall resistance 1000 mm EN/IEC 60068-2-32
Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-1 UL 508
Radio agreement	ANATEL ARIB T66 FCC ICASA RSS SRRC
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 984.25 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 17.70...21.24 lbf.in (2...2.4 N.m)
Device composition	ZB5RZC2 ZBRT1

Environment

Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Relative humidity	95 % 158 °F (70 °C) without condensation
IP degree of protection	IP65 IEC 60529 front face) IP30 IEC 60529 back face) IP65 UL Type 12 front face)
IK degree of protection	IK03 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 2...11 Hz)IEC 60068-2-6
Electromagnetic compatibility	Electrostatic discharge immunity test 8 kV in free air (in insulating parts)) Electrostatic discharge immunity test 6 kV on contact (on metal parts)) Susceptibility to electromagnetic fields 10 V/m 80...2000 MHz) Susceptibility to electromagnetic fields 3 V/m 80...2700 MHz, distance = 20 m) Immunity for industrial environments Radiated emission
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	22470 - XB5R WIRELESS PUSH BUTTON
Discount Schedule	I
GTIN	00785901144328
Nbr. of units in pkg.	1
Package weight(Lbs)	0.15 lb(US) (0.07 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.88 in (12.4 cm)
Package 1 width	2.05 in (5.2 cm)
Package 1 Length	1.57 in (4 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	42
Package 2 Weight	7.35 lb(US) (3.333 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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.

Contractual warranty

Warranty	18 months
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Complete Transmitter-Ø40 Mushroom Pushbutton Head Ø22 Spring Return

