ZB4RTA4

Harmony XB4, Wireless and batteryless push button, metal, red, Ø22, spring return



Main	
Range of Product	Harmony XB5
Product or Component Type	Wireless and batteryless transmitter
Device short name	XB5R
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	0.87 in (22 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	
Operator profile	Red flush	
Max power consumption in W	1 mW	
Number of Channels	16	
Modulation technique	O-QPSK	
Bandwidth	5 MHz	
Antenna gain	0 dBi	
Embedding Depth	1.65 in (42 mm)	
CAD overall height	1.63 in (41.5 mm)	
CAD overall width	1.18 in (30 mm)	
CAD overall depth	1.69 in (43 mm)	
Net Weight	0.10 lb(US) (0.045 kg)	
Operating travel	0.17 in (4.3 mm) total travel)	
Operating force	10 N C/O changing electrical state	
Mechanical robustness	Free fall resistance 1000 mm EN/IEC 60068-2-32	
Standards	CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 UL 508	
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 984.25 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 screw beneath head 7.0810.62 lbf.in (0.81.2 N.m)	
Electrical composition code	PW1	

Environment

Protective treatment	TH	
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 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	5 gn 11500 Hz)IEC 60068-2-6 +/- 10 mm 211 Hz)IEC 60068-2-6	
Electromagnetic compatibility	Electrostatic discharge immunity test 8 kV in free air (in insulating parts)) IEC 61000-4-2 Electrostatic discharge immunity test 4 kV on contact (on metal parts)) IEC 61000-4-2 Susceptibility to electromagnetic fields 20 V/m 803000 MHz) IEC 61000-4-3 Susceptibility to electromagnetic fields 6 V/m 30006000 MHz, distance = 20 m) IEC 61000-4-3	
Product Certifications	C-tick GOST BT 2006/95/EC UL CSA CCC	
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	3606480334528	
Nbr. of units in pkg.	1	
Package weight(Lbs)	3.32 oz (94 g)	
Returnability	No	
Country of origin	FR	

Packing Units

r doking office	
Unit Type of Package 1	PCE
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	2.05 in (5.2 cm)
Package 1 Length	3.43 in (8.7 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	25
Package 2 Weight	5.54 lb(US) (2.512 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

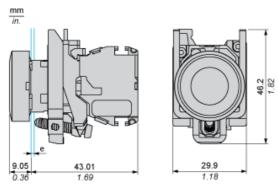
Warranty

Sustainable offer status	Green Premium product	
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	
REACh Regulation	☑ REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
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.	

18 months

Wireless and Batteryless Pushbutton - Transmitter

With Metal Pushbutton without Cap

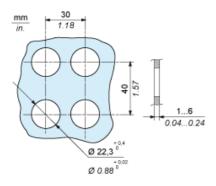


e: panel thickness 1 to 6 mm / 0.039 to 0.24 in.

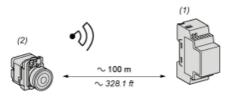
Product data sheet Mounting and Clearance

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Transmitter Mounting

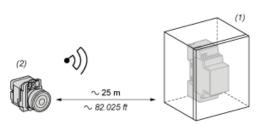


Transmitter Clearance in Free Field Unobstructed



(1): Receiver(2): Transmitter

Transmitter Clearance in a Metal Enclosure



(1): Metal enclosure(2): Transmitter

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

Glass window	1020 %
Plaster wall	3045 %
Brick wall	60 %
Concrete wall	7080 %
Metal structure	50100 %