

Wireless and batteryless pushbuttons

Harmony XB5R plastic and XB4R metal

Catalog

March 2019



Schneider
Electric

Quick access to Product information

Select your Catalogue, your Training

Digi-Cat

The complete digital catalogue for industrial automation



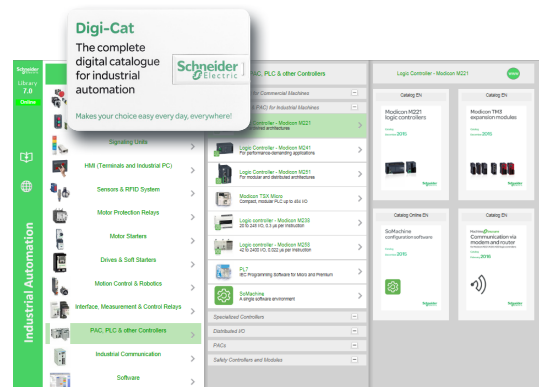
Makes your choice easy every day, everywhere!



With just 3 clicks, you can reach the 7,000 pages of the Industrial Automation & Control catalogue, in both English and French.

- Digi-Cat is available on a USB key (for PC). To get your Digi-Cat, please contact your local center
- Download Digi-Cat from this address:

<http://digi-cat.schneider-electric.com/download.html>



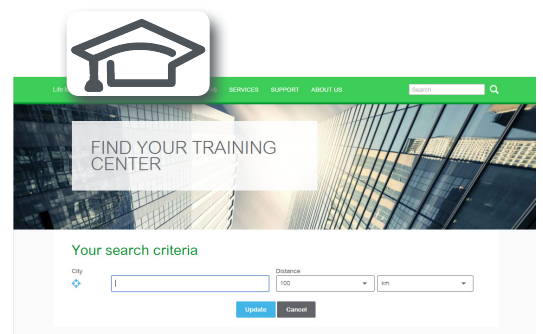
Find your training

- Find the right training for your needs
- Locate the training center with the selector tool, using this address:

<http://www.schneider-electric.com/b2b/en/services/training/technical-training.jsp>

then click on

Find your training center



Life Is On

Schneider Electric

General contents

General presentation and selection guide . .

1

XB5R and XB4R wireless & batteryless
pushbuttons

2

ZBRN1 and ZBRN2 Harmony hub

3

Product reference index

4

Control and signaling units Ø 22
Harmony XB5R plastic and XB4R metal
Wireless and batteryless pushbuttons
Wireless and batteryless ecosystem devices

General presentation and selection guide

- Harmony XB4R and XB5R
 - Installation and maintenance page 1/2
 - Performance page 1/3
 - Range of products page 1/3
- Harmony Hub ZBRN1 and ZBRN2
 - Installation and maintenance page 1/4
 - Performance and integration page 1/4
 - Architecture solutions page 1/6
 - Range of products page 1/7
- Selection guide page 1/8

1

Installation made easy with Harmony® XB5R plastic and XB4R metal, wireless and batteryless pushbuttons



The Harmony XB5R plastic and XB4R metal range of wireless and batteryless pushbuttons are used for various building utilities (automatic doors, lightings, etc), industrial applications (conveying systems, automotive, MMM, logistics, food and beverage). They are based on 2 types of devices, transmitter and receiver which communicates via 2.4 GHz radio transmission (free worldwide band).

Simplified installation

- > Reduction in installation costs and time
- > No set-up needed due to ready-to-use Plug-and-Play package
- > Freedom of mobility around the machine or process
- > Ideal solution when you need to add or move a control function



Enables the end users to considerably reduce installation and maintenance costs

Easy maintenance

- > Requires no battery maintenance and assures permanent availability
- > Maximum availability of control functions
- > Eco-friendly Green technology
- > Minimize post-installation maintenance

Product Selector

Web digital selector
Click to open the selector



No battery to replace
recycle & recharge



Energy efficient due to non-current consuming transmitter

Designed for industrial environment with proven robustness

- > High resistance to contamination from dust (no cable entry)
- > No risk of cable damage or loosened screws on the transmitter
- > Ø 22 mm/0.866 in. operating head available in plastic (XB5) and metal (XB4) and Ø 40 mm/1.575 in. impulsion mushroom black head allowing operation with gloves
- > For automatic doors, the rope pull switch command can be set anywhere
- > Suitable for the most demanding environments, depending on the model, up to IP 66, for external use from -25 to 70 °C/-13 to 158 °F



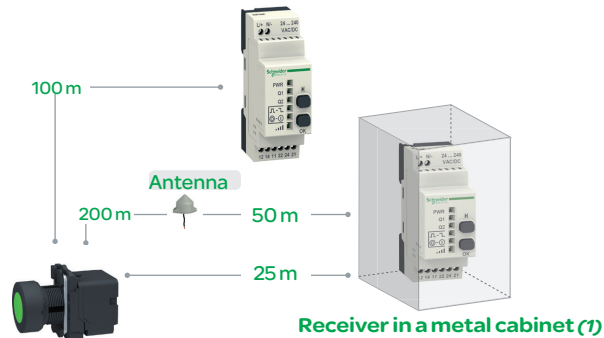
Robust performance



Easy integration in to automation products

Assured performance according to distance

- > 25 m/82 ft with the receiver installed in a metal electrical cabinet
- > Boosted to more than 250 m/820 ft with use of external relay antenna with the receiver installed in a metal electrical cabinet
- > 100 m/328 ft in free space



A worldwide range

- > From individual products to ready-to-use packs



Wide range of XB5R/XB4R individual products

- > Designed to meet the requirements of the most common applications
- > Simple to order with only one reference number
- > Easy to install with factory pre-programmed transmitter and receiver

(1) Plastic head XB5RFB01 Metal head XB4RFB01 • Transmitter with plastic or metal pushbutton • Non-configurable receiver, 1 CO relay output	(2) Plastic head XB5RFA02 Metal head XB4RFA02 • Transmitter with plastic or metal pushbutton • Set of 10 pushbutton caps • Configurable receiver, 2 CO relay outputs
(1) Plastic head XB5RMB03 • Transmitter with plastic pushbutton ZB5R in ergonomic enclosure • Non-configurable receiver, 1 CO relay output	(2) Plastic head XB5RMA04 • Transmitter with plastic pushbutton ZB5R in ergonomic enclosure • Set of 10 pushbutton caps • Configurable receiver, 2 CO relay outputs

(1) Only one transmitter per receiver
(2) Up to 32 transmitters per receiver



Simple to order with ready-to-use packs

1

Non-intrusive installation made easy with Harmony Hub ZBRN1 and ZBRN2, wireless ecosystem devices.



Harmony Hub schematic diagram

Product Selector

Web digital selector
Click to open the selector

Harmony hub range of wireless and batteryless ecosystem devices are used for various building utilities (Automatic doors, lightings, etc...), industrial applications (conveying systems, automotive, MMM, logistics, food, and beverage, monitoring industrial equipment). These devices communicates via 2.4 GHz radio transmission (free worldwide band).

Non-intrusive installation

- > Reduction in installation costs and time
- > Freedom of mobility around the machine or process
- > Ideal solution when you need to add or move a monitoring function

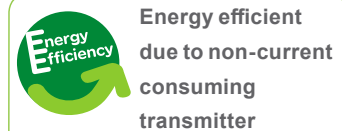


Enables the end users to considerably reduce installation and maintenance costs



Easy maintenance

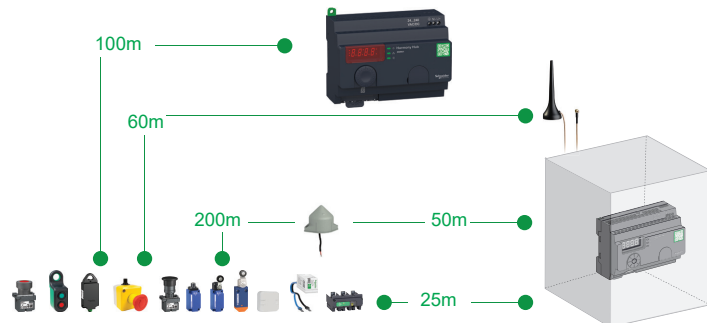
- > Requires no battery maintenance and assures permanent availability
- > Maximum availability of control functions
- > Eco-friendly Green technology
- > Minimize post-installation maintenance



Assured performance according to distance

The possible distance (1) between a transmitter and Harmony Hub is approximately:

- > 100 m/328 ft when there are no obstacles,
- > 250 m/984 ft if a relay antenna is located between the transmitter and Harmony Hub (installed in a metal housing or in a closed metal enclosure),
- > 60 m/197 ft if an external antenna is connected to Harmony Hub,
- > 25 m/82 ft with Harmony Hub installed in a metal housing or in a closed metal enclosure



Harmony Hub inside box (2)

(1) Typical values which can be affected by the application environment

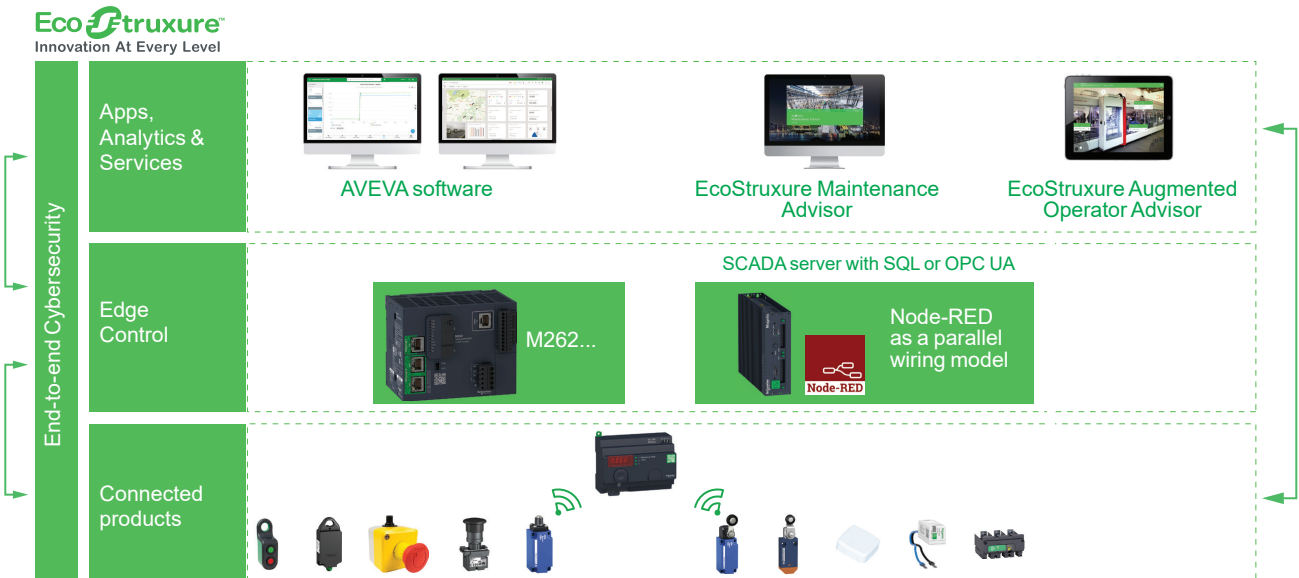
(2) Reduction in distance when Harmony Hub is placed in a metal housing or in a closed metal enclosure



Easy installation

Smooth integration

Integration into an industrial PC (IT/OT box) via ethernet link with 2 RJ45.



Magelis iPC and Edge Box runs Node-RED to wire devices on the Industrial Internet of Things. Node-RED is a simple, open source graphical programming tool for designing the communication data flow from OT to IT. To permit connectivity to EcoStruxure platform, you need to have an industrial PC (IT/OT box) to push your collected physical signals and therefore understand your business better with immediate access to relevant data.

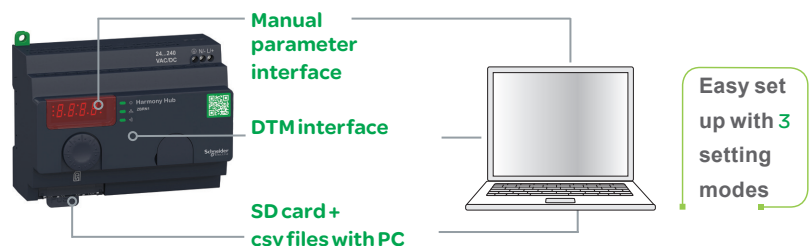
Compatible Schneider Electric commercial references: HMIBMO*

For more information, go to: www.schneider-electric.com/hmi

Double RJ45 enables network continuity without using hubs or switches



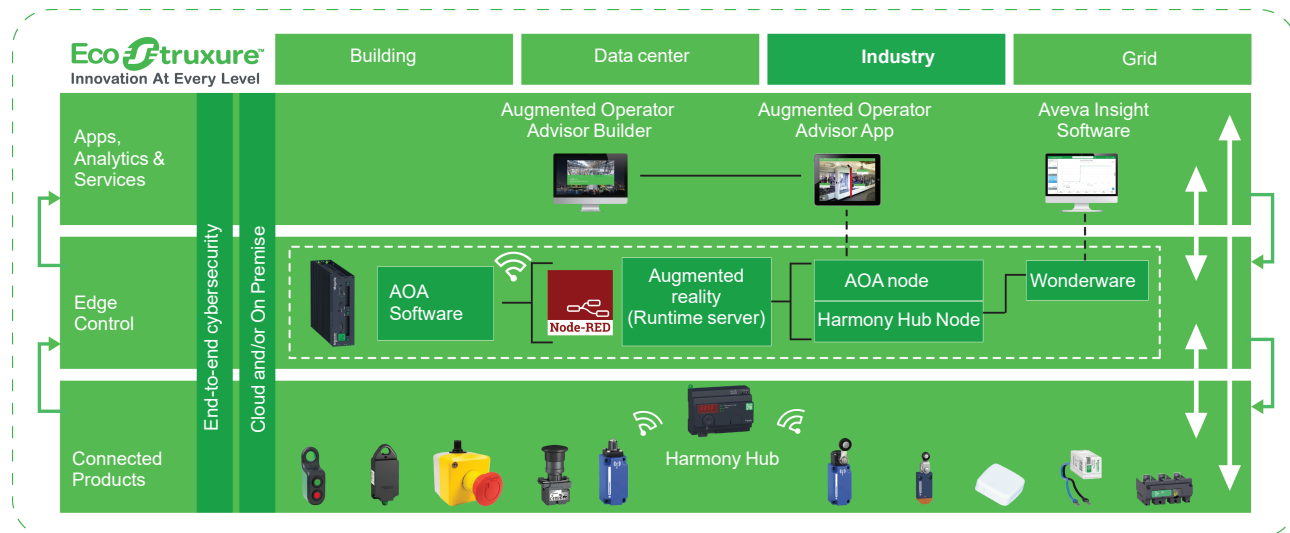
Simple and economic with up to 60 transmitters connected on the same bus



-20% installation costs compared to a hard-wired solution

Architecture solutions

> Call to maintenance EcoStruxure architecture



With Harmony Hub ecosystem devices, there are multiple use cases:

- Pushbutton to call for maintenance, call for material, call for finished goods and call for final products inspection
- Open easily inside automatic doors
- Identifying which emergency stop has been activated
- Help the operators to react quickly in case of an anomaly
- Identify anomalies with the predefined threshold

Wide range of product compatibility

Wide range of individual products compatible with Harmony Hub (1)



ZBRN1



ZBRN2



ZBRCETH



ZBRA1



ZBRA2



ZBRA3

Pushbuttons



ZB5RTA●



ZBRM●



ZBRP1



XB5RALK178F



ZB5RT●

Limit Switches



XCKW●



XCKW●



XCMW●

Sensors



A9XST114



A9MEM●

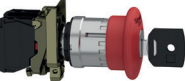
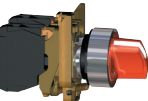


LV4340●

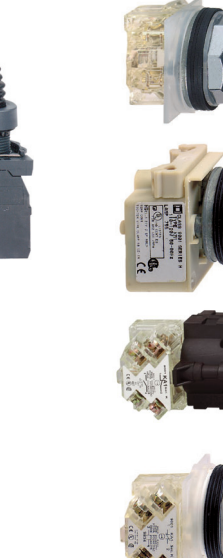
(1) Please refer to the references table on pages 36176/3, 36176/4 and 36176/5.



Enhanced wireless ecosystem devices

Product type		Pilot lights	Pushbuttons, selector switches, and pilot lights			Biometric switches
						
						
						
						
Description of range		■ LED pilot lights	■ Pushbuttons ■ Multiple-headed pushbuttons ■ Emergency Stop pushbuttons ■ Selector switches and key switches ■ Illuminated pushbuttons ■ Pilot lights ■ Flush mounted pushbuttons, selector switches, and pilot lights (1)			Fingerprint readers 24V ~ ■ Stand-alone biometric switches ■ Stand-alone USB biometric switches ■ USB biometric switches dedicated to Schneider HMI (2)
Features	Products	Monolithic, compact, low consumption	Complete units or sub-assemblies (body + head)			Monolithic
	Bezel	Double insulated	Double insulated (4)	Metal, chromium plated, or black	Double insulated	Double insulated, dark gray
	Shape of head	Circular	Circular, square, or rectangular	Circular	Circular or square	–
Drilling or cut-out for fixing		Ø 8 mm and Ø 12 mm/0.315 in. and 0.472 in.	Ø 16 mm/0.630 in.	Ø 22 mm/0.866 in. Ø 30 mm/1.181 in. (for flush mounted control and signaling units)		Ø 22 mm/0.866 in.
Degree of protection	Conforming to IEC 60529	IP40 IP65 with seal	IP65	IP66, IP67, IP69, and IP69K		IP65 (control button)
	Conforming to UL 508 and CSA C22-2 No. 14	–	Enclosure type 4, 4X, and 13			Enclosure type 12
Cabling		Tags for 2.8 x 0.5 mm/0.110 x 0.020 in. connectors or threaded connector	Faston connectors Solder pins for printed circuit boards (4) Fast connector socket (5)	Spring clamp terminal connections Screw clamp terminal connections Faston connectors Connector with adapter for printed circuit board		Cable or connectors
Mounting	Panel thickness	1...8 mm/0.039...0.315 in.	1...6 mm/0.039...0.236 in.			
Type references		XVLA	XB6, XB6E	XB4	XB5	XB5S

(1) Flush mounted control and signaling units are available for Harmony XB4 and XB5 ranges only.
(2) Compatible with Magelis iPC, STU, OT, GXO, GT (except GT1000 series), GK, GH, and GTO models.
(3) Wireless and batteryless pushbutton and receiver ready-paired at the factory.

Wireless and batteryless pushbuttons		Pushbuttons, selector switches, and pilot lights		Joystick controllers		Pushbuttons, selector switches, and pilot lights		Cam switches	
									
■ Wireless and batteryless pushbuttons and rope pull switch ■ Configurable receivers ■ Harmony Hub		■ Pushbuttons ■ Emergency Stop and Emergency switching off pushbuttons ■ Selector switches and key switches ■ Illuminated pushbuttons ■ Pilot lights		■ 2- or 4-direction ■ Stay put or spring return		■ Pushbuttons ■ Emergency Stop pushbuttons ■ Selector switches and key switches ■ Illuminated pushbuttons ■ Pilot lights		■ Switches ■ Stepping switches ■ Reversing and changeover switches ■ Ammeter switches ■ Voltmeter switches ■ Reversing switches ■ Star-delta and reversing star-delta switches ■ Pole change switches	
Ready-to-use packs (3) and "components" range		Monolithic		Complete units or sub-assemblies (body + head with lever)		Complete units or sub-assemblies (body + head)		Complete units or sub-assemblies (body + front panel+ head)	
Metal, chromium plated, or double insulated, black		Double insulated, dark gray (or white for pilot lights)		Metal, chromium plated		Double insulated, black		Metal, chromium plated, or double insulated, black	
Transmitter with circular head		Circular		Circular		Hexagonal		Square	
Ø 22 mm/0.866 in.						Ø 30 mm/1.181 in.		Ø 16 or Ø 22 mm/0.630 or 0.866 in.: series K10 Ø 22 mm/0.866 in. and multifixing: series K1/K2 4 holes, 48 or 68 centers: series K30...K150	
IP65		IP65 (control buttons and pilot lights) IP54 (Emergency switching off pushbuttons)		IP65 IP66 IP65		IP66		IP65: series K10 IP40, IP65 with seal: series K1/K2 IP40: reversing K30...K150	
Enclosure type 12		Enclosure type 3 (pushbuttons and Emergency stop) and 4 (pilot lights)		Enclosure type 4, 4X and 13		Enclosure type 4 and 13 (9001K) Enclosure type 4, 4X, 13 (9001SK)		—	
Wireless (transmitter) Through cable (receiver)		Screw and captive clamp terminal connections Faston clip connections (pilot lights)		Screw and captive clamp terminal connections					
1...6 mm/0.039...0.236 in.								0.5...6 mm/0.020...0.236 in. (depending on model)	
XB5R, XB4R		XB7		XD4PA XD2GA XD5PA		9001K, 9001SK		K10, K1, K2, K30, K50, K63, K115, K150	

(4) For Harmony XB6 only.
(5) For Harmony XB6E only.

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal

Wireless and batteryless pushbuttons

Harmony XB5R and XB4R wireless and batteryless pushbuttons

- **Presentation**..... page 2/2
- **Description**
 - “Ready-to-use packs” ranges page 2/3
 - “Components” range..... page 2/4
- **References**
 - Ready-to-use packs..... page 2/5
 - Transmitter components for wireless and batteryless pushbuttons..... page 2/6
 - Transmitter components for wireless and batteryless rope pull switch page 2/7
 - Configurable receivers..... page 2/7
 - Accessories page 2/8

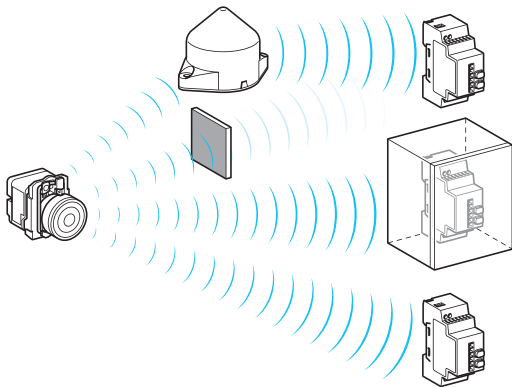


Figure A: Radio transmission between 1 transmitter and 3 receivers

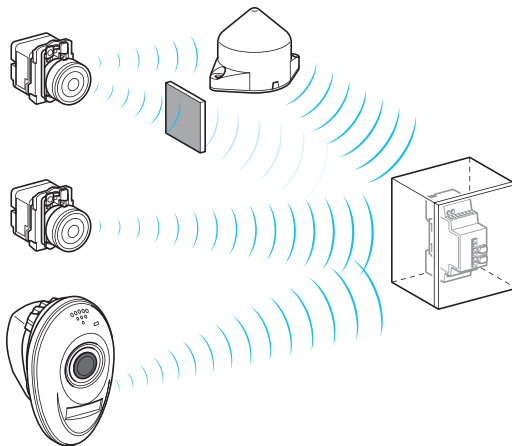


Figure B: Radio transmission between 3 transmitters and 1 receiver

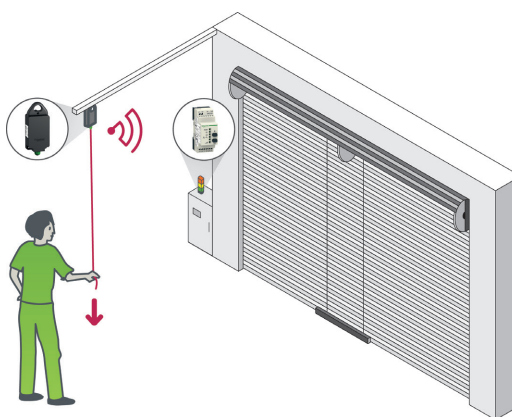


Figure C: Rope pull switch for automatic doors

Presentation

The Harmony wireless and batteryless pushbuttons range enables remote control of a relay (receiver) by means of a pushbutton (transmitter). The control is by radio transmission where the transmitter is equipped with an electric generator that converts mechanical energy, produced when the pushbutton is pressed, to electrical energy. A radio-encoded message with a unique ID code is sent as a single pulse to one or more receivers located several dozen feet away (see Figure A). A single receiver can also be actuated by up to 32 different transmitters (see Figure B).

In order to avoid any conflict of multiple transmission from different transmitters, a minimum time frame of 10 ms is required between each radio transmission. Depending on the application, a relay-antenna can be used to get round an obstacle that impedes transmission or to increase the range (see Figure A and Figure B).

The possible distance (1) between a transmitter and a receiver is approximately:

- 100 m/328 ft where there are no obstacles
- 25 m/82 ft if the receiver is installed in a metal housing or in a closed metal enclosure
- 300 m/984 ft if a relay-antenna is located between the transmitter and the receiver (receiver installed in a metal housing or in a closed metal enclosure)

These distances could be drastically reduced in industrial environments where factors such as radio interference, obstacles, or electromagnetic interference may impede the signal. As a consequence, some radio frames may not be received by the receiver.

The wireless and batteryless pushbutton reduces installation time and cost since no wiring and associated equipment is required between the transmitters and the control panel.

This technology also allows an operator to be mobile or to have a control mounted on board a vehicle (trolley, truck, etc.). The pushbutton is always available and requires no maintenance (no battery needed).

The mobile box **ZBRM21** or **ZBRM22** associated with its support function is adapted for static and mobile applications mounted on vehicles.

The range also includes a new wireless and batteryless rope pull switch designed for easy operation of automatic doors. This switch can be either mounted directly on the panel or between two ropes close to the automatic door. This enables the forklift driver or pedestrian to open or close the door by pulling the rope, where the mechanical energy produced is transmitted as a radio message to the receiver in the control panel (see Figure C).

This technology (radio-encoded message sent as a single pulse) cannot be used for hoisting applications ("up/down", "right-left" movements, etc.) or safety applications (Emergency Stop pushbuttons, etc.). For these applications, it is recommended that Harmony XB4 and XB5 wired pushbuttons or the XAC range of pendant control stations be used.

Environment

The performance features of the XB5R range conform to the following specifications:

■ International standards and approvals:

- Wireless and batteryless pushbuttons: EN/IEC 60947-1, EN/IEC 60947-5-1, UL 508, CSA C22-2 No. 14
- Transmitter/Receiver system: BT 2006/95/EC, CE: R&TTE 1999/5/EC, EMC 2004/108/EC

■ International certifications: UL, CSA, C-Tick, GOST, CCC

■ Radio agreements: ANATEL (Brazil), SRRC (China), FCC (USA), RSS (Canada), ICASA (South Africa), ARIB T66 (Japan)

For more technical information, please refer to our website www.schneider-electric.com.

(1) Typical values, which can be affected by the application environment.

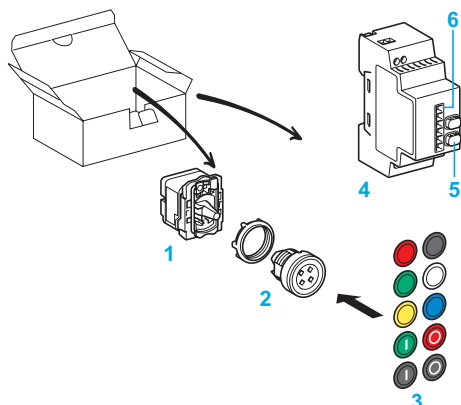


Figure D: Pack with transmitter and configurable receiver

Description of the “Ready-to-use pack” ranges (1)

Pack with configurable receiver (see Figure D)

This pack comprises:

- 1 A transmitter with a fixing collar for assembly with a pushbutton head and mounting in a Ø 22 mm/0.866 in. hole
- 2 A flush, spring return, plastic or metal pushbutton head
- 3 A set of 10 different colored caps that can be clipped onto the pushbutton head
- 4 A 24...240 V ~ configurable receiver, 2 relay outputs, with 2 buttons (teach and parameter setting) 5 and 6 indicating LEDs 6

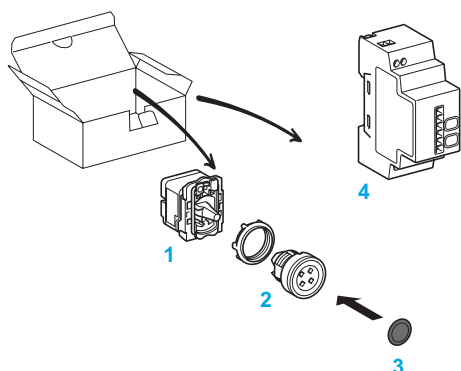


Figure E: Pack with transmitter and non-configurable receiver

Pack with non-configurable receiver (see Figure E) (1)

This pack comprises:

- 1 A transmitter with a fixing collar for assembly with a pushbutton head and mounting in a Ø 22 mm/0.866 in. hole
- 2 A flush, spring return, plastic or metal pushbutton head
- 3 A black cap that can be clipped onto the pushbutton head
- 4 A 24 V ~ non-configurable receiver, 1 relay output, without indicating LED or button

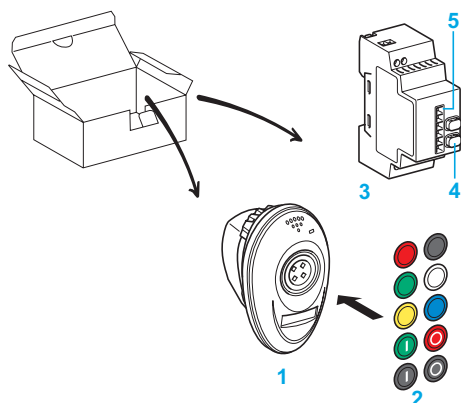


Figure F: Pack with transmitter in handy box and configurable receiver

Pack with handy box and configurable receiver (see Figure F)

This pack comprises:

- 1 A handy box containing a wireless and batteryless pushbutton with plastic head
- 2 A set of 10 different colored caps that can be clipped onto the pushbutton head
- 3 A 24...240 V ~ configurable receiver, 2 relay outputs, with 2 buttons (teach and parameter setting) 4 and 6 indicating LEDs 5

(1) Wireless and batteryless pushbutton and the receiver are factory-paired.

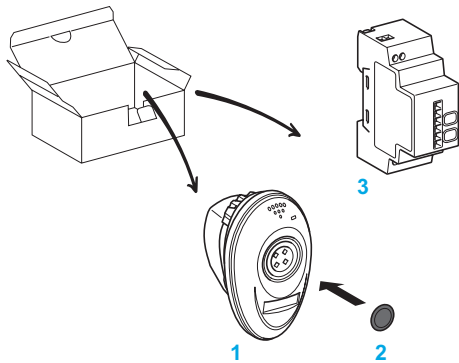


Figure G: Pack with transmitter in handy box and non-configurable receiver

Description of the “Ready-to-use pack” ranges (1) (continued)

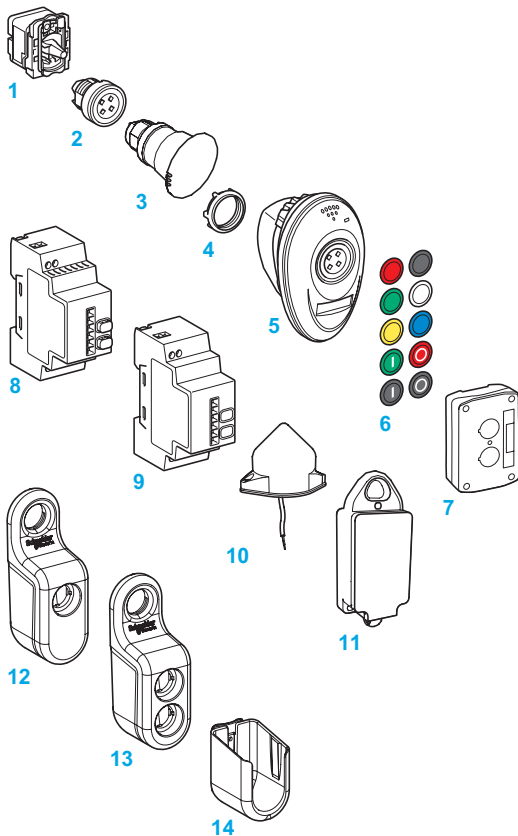
Pack with handy box and non-configurable receiver (see Figure G)

This pack comprises:

- 1 A handy box containing a wireless and batteryless pushbutton with plastic head
- 2 A black cap that can be clipped onto the pushbutton head
- 3 A 24 V $\sim$ non-configurable receiver, 1 relay output, without indicating LED or button

Description of the “Components” range

Components are sold separately to allow completion of existing applications or creation of specific applications:



- 1 A transmitter for assembly with pushbutton head and mounting in a Ø 22 mm/ 0.866 in. hole
- 2 A flush, spring return, plastic or metal pushbutton head
- 3 A plastic mushroom head
- 4 A plastic or metal fixing collar
- 5 An empty handy box
- 6 A set of 10 different colored caps or a set of 10 same color caps that can be clipped onto the pushbutton head
- 7 Empty plastic boxes (1 or 2 cut-outs) for wall mounting or on-board applications
- 8 A 24...240 V $\sim$ configurable receiver, 2 relay outputs, with 2 buttons (teach and parameter setting) and 6 indicating LEDs
- 9 A 24 V $\sim$ configurable receiver, 4 PNP outputs, with 2 buttons (teach and parameter setting) and 6 indicating LEDs
- 10 A relay-antenna
- 11 A rope pull switch
- 12 **ZBRM21** mobile box for 1 pushbutton
- 13 **ZBRM22** mobile box for 2 pushbuttons
- 14 **ZBRACS** support for mobile box

(1) Wireless and batteryless pushbutton and the receiver are factory-paired.

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal
Wireless and batteryless pushbuttons

Ready-to-use packs (1)

Description	Transmitter type	Voltage receiver V	Receiver type	Reference	Weight kg/lb
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar - 1 receiver Pushbutton and receiver are factory-paired.	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head + 1 set of 10 different colored caps (1 cap to be selected and attached)	24...240 ~	Configurable receiver ZBRRA equipped with: - choice of 3 output functions (monostable, bistable, stop/start) - 2 relay outputs type RT 3A (2) - 2 buttons (teach, parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	XB5RFA02	0.230/0.507
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. metal head + 1 set of 10 different colored caps (1 cap to be selected and attached)			XB4RFA02	0.245/0.540
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head + 1 black cap not attached	24 ---	Non-configurable receiver equipped with monostable output function: - 1 relay output type RT 3A - without button - without indicating LED	XB5RFB01	0.230/0.507
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. metal head + 1 black cap not attached			XB4RFB01	0.245/0.540
Packs comprising: - 1 wireless and batteryless pushbutton assembled on fixing collar, in handy box (3) - 1 receiver Pushbutton and receiver are factory-paired.	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head mounted in a handy box + 1 set of 10 different colored caps (1 cap to be selected and attached)	24...240 ~	Configurable receiver ZBRRA equipped with: - choice of 3 output functions (monostable, bistable, stop/start) - 2 relay outputs type RT 3A (2) - 2 buttons (teach, parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	XB5RMA04	0.250/0.551
	Wireless and batteryless pushbutton + Ø 22 mm/0.866 in. plastic head mounted in a handy box + 1 black cap not attached	24 ---	Non-configurable receiver equipped with monostable output function: - with 1 relay output type RT 3A - without button - without indicating LED	XB5RMB03	0.250/0.551

(1) Wireless and batteryless pushbutton and the receiver are factory-paired.

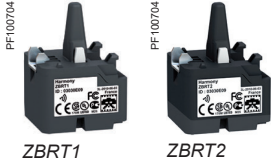
(2) Receivers are supplied set to monostable output function. The user can configure it to bistable and stop/start functions.

(3) Supplied with a magnet to be stuck on by the customer.

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal
Wireless and batteryless pushbuttons

2



Transmitter components for wireless and batteryless pushbuttons

Description	Type of push	Color	Reference	Weight kg/lb
Transmitter for wireless and batteryless pushbutton (1) (2)	1 radio frame sent at the push of the button	–	ZBRT1	0.025/0.055
	1 radio frame sent at the push of the button	–	ZBRT2 (5)	0.025/0.055
	1 radio frame sent at the release of the button	–		
Spring return pushbutton heads for transmitter ZBRT1	Flush (plastic)	Without cap (3)	ZB5RZA0	0.015/0.033
	Flush (metal)	Without cap (3)	ZB4RZA0	0.030/0.066
Spring return mushroom head for transmitter ZBRT1	Mushroom 40 mm/1.58 in. (plastic)	Black	ZB5RZC2	0.025/0.055
Wireless and batteryless pushbutton including: - a transmitter equipped with fixing collar - a spring return mushroom head	Mushroom 40 mm/1.58 in. (plastic)	Black	ZB5RTC2	0.055/0.121
Wireless and batteryless pushbuttons including: - a transmitter equipped with fixing collar - a spring return pushbutton head with cap attached (4)	Flush (plastic)	White	ZB5RTA1	0.045/0.099
		Black	ZB5RTA2	0.045/0.099
		Green	ZB5RTA3	0.045/0.099
		White I on green background	ZB5RTA331	0.045/0.099
		Red	ZB5RTA4	0.045/0.099
		White O on red background	ZB5RTA432	0.045/0.099
		Yellow	ZB5RTA5	0.045/0.099
		Blue	ZB5RTA6	0.045/0.099
	Flush (metal)	White	ZB4RTA1	0.085/0.187
		Black	ZB4RTA2	0.085/0.187
		Green	ZB4RTA3	0.085/0.187
		White I on green background	ZB4RTA331	0.085/0.187
		Red	ZB4RTA4	0.085/0.187
		White O on red background	ZB4RTA432	0.085/0.187
		Yellow	ZB4RTA5	0.085/0.187
		Blue	ZB4RTA6	0.085/0.187

(1) Fixing collar **ZB5AZ009** (plastic) or **ZB4BZ009** (metal) to be ordered separately.(2) Only heads **ZB4RZA0** and **ZB5RZA0** are mechanically compatible.

(3) Cap to be ordered separately. Refer to the "Accessories" table on page 2/8.

(4) This cap is factory-assembled and cannot be removed (risk of damage).

(5) This transmitter is only compatible with receiver **ZBRR●** version ≥ 2.0, relay antenna **ZBRA1** version ≥ 2.0, and access point **ZBRN●** version > 1.2.



ZBRP1



XB5RP1US2



ZBRRA

Transmitter components for wireless and batteryless rope pull switch

Description	Application	Reference	Weight kg/lb
Rope pull switch with wireless and batteryless transmitter	For automatic doors: The rope pull switch sends a radio message to the receiver in the control panel to open and close the door.	ZBRP1	0.150/0.331
Rope pull switch with wireless and batteryless transmitter, and a universal support accessory	For automatic doors: The rope pull switch sends a radio message to the receiver in the control panel to open and close the door.	XB5RP1US2 ZBRAUS2	0.259/0.571

Configurable receivers

Description	Output function	Output type	Receiver voltage V	Reference	Weight kg/lb
Configurable receivers (6) equipped with: - 2 buttons (teach and parameter setting) - 6 indicating LEDs (power ON, function modes, output status, signal strength)	Monostable	4 PNP outputs, 200 mA/24 V	24 $\overline{\text{---}}$	ZBRRC	0.130/0.287
	Monostable, Bistable	2 relay outputs type RT 3A (7)	24...240 $\curvearrowright$	ZBRRD	0.130/0.287
	Monostable, Bistable, Stop/Start	2 relay outputs type RT 3A (7)	24...240 $\curvearrowright$	ZBRRA	0.130/0.287

(1) Fixing collar **ZB5AZ009** (plastic) or **ZB4BZ009** (metal) to be ordered separately.

(2) Only heads **ZB4RZA0** and **ZB5RZA0** are mechanically compatible.

(3) Cap to be ordered separately. Refer to the "Accessories" table on page 2/8.

(4) This cap is factory-assembled and cannot be removed (risk of damage).

(5) This transmitter is only compatible with receiver ZBRR● version ≥ 2.0 , relay antenna ZBRA1 version ≥ 2.0 , and access point ZBRN● version > 1.2 .

(6) Each receiver can be actuated by up to 32 transmitters.

(7) Receivers are supplied set to monostable output function. The user can configure it to bistable and stop/start functions.

Accessories

Caps for Harmony pushbutton heads ZB5RZA0 and ZB4RZA0

Description	Background color	Marking	Sold in lots of	Unit reference	Weight kg/lb
Sets of 10 different colored caps with identical marking (1)	White	Without	10	ZBA71	0.010/0.022
		"I" (black)	10	ZBA7131	0.010/0.022
		"†" (black)	10	ZBA7134	0.010/0.022
		"+" (black)	10	ZBA7138	0.010/0.022
	Black	Without	10	ZBA72	0.010/0.022
		"O" (white)	10	ZBA7232	0.010/0.022
		"+" (white)	10	ZBA7233	0.010/0.022
		"Ø" (white)	10	ZBA7235	0.010/0.022
		"I" (white)	10	ZBA7237	0.010/0.022
	Green	Without	10	ZBA73	0.010/0.022
		"I" (white)	10	ZBA7331	0.010/0.022
		"+" (white)	10	ZBA7333	0.010/0.022
		"†" white	10	ZBA7335	0.010/0.022
		"II" (white)	10	ZBA7336	0.010/0.022
	Red	Without	10	ZBA74	0.010/0.022
		"O" (white)	10	ZBA7432	0.010/0.022
	Yellow	Without	10	ZBA75	0.010/0.022
	Blue	Without	10	ZBA76	0.010/0.022
Set of 10 different colored caps with different markings (1)	White, black, green, red, yellow, blue, white "I" on green background, black "I" on white background, white "O" on red background, white "O" on black background		1	ZBA79	0.010/0.022
Set of 6 different colored caps	White, black, green, red, yellow, blue		1	ZBA80	0.010/0.022

(1) Cap can be clipped on at 90° steps, through 360°.





ZBRM22

ZBRACS



ZBRM22A0



XALD02



ZBRA1



ZBRA3



ZBRAUS2

Accessories (continued)

Boxes for wireless and batteryless pushbuttons

Product	Application	Description	Sold in lots of	Unit reference	Weight kg/lb
Plastic empty mobile box (1) (4)	For mobile and static applications with wireless and batteryless pushbuttons	1 cut-out	1	ZBRM21	0.109/0.240
		2 cut-outs	1	ZBRM22	0.110/0.243
Plastic mobile box equipped with button(s) and transmitter(s), 1 set of caps	For mobile and static applications with wireless and batteryless pushbuttons	1 button with ZBRT1 transmitter	1	ZBRM21A0	0.150/0.331
		1 button with ZBRT2 transmitter	1	ZBRM21B0	0.151/0.333
		2 buttons with ZBRT1 transmitters	1	ZBRM22A0	0.194/0.428
		2 buttons with ZBRT2 transmitters	1	ZBRM22B0	0.195/0.430
		1 button with ZBRT1 and 1 button with ZBRT2	1	ZBRM22AB0	0.195/0.430
		1 button with ZBRT2 and 1 button with ZBRT1	1	ZBRM22BA0	0.195/0.430
	Support for tube or wall specific for ZBRM21 and ZBRM22	-	1	ZBRACS	0.064/0.141
Empty plastic boxes for wireless and batteryless pushbuttons (2)	For static or on-board wireless and batteryless pushbuttons	1 cut-out	1	XALD01	0.136/0.300
		2 cut-outs	1	XALD02	0.193/0.426
Other Accessories					
Relay-antenna (3)	Between transmitter and receiver Used to increase the range and/or get round obstacles	24...240 V ~ □ 5 m/16.4 ft cable □ 1 power-ON LED □ 2 LEDs reception/transmission	1	ZBRA1	0.200/0.441
Passive antenna	Passive antenna to pass through a wall, must be close to a relay antenna or a receiver	□ 2 antennas □ 0.9 m/2.95 ft cable □ 2 RF connectors	1	ZBRA3	0.010/0.328
Vertical or horizontal support	Universal support for rope pull switch	A carabiner and a support to attach horizontally or vertically	1	ZBRAUS2	0.109/0.240
Fixing collar	—	Plastic	10	ZB5AZ009	0.038/0.084
		Metal	10	ZB4BZ009	0.038/0.084
Legend plate, 27 x 8 mm/ 1.06 x 0.32 in., for engraving	For sticking onto handy box ZBRM01, ZBRM21, and ZBRM22	Self-adhesive, blank, black background	10	ZBY0101T	0.005/0.011

(1) Cannot be used for wired contacts (no cable gland outlet).

(2) Box equipped with cable gland outlets, compatible with Harmony ZB5 pushbutton heads.

(3) Not wired to the receiver.

(4) Compatible with ZBRT1 and ZBRT2.

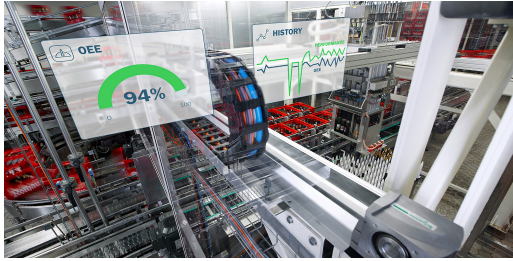
Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal

Wireless and batteryless ecosystem devices

Harmony Hub ZBRN1 and ZBRN2

- Presentation..... page 3/2
- Description..... page 3/2
- References
 - Configurable Harmony Hub page 3/3
 - Communication module page 3/3
 - Accessories page 3/3
- Compatibility
 - Harmony Hub ecosystem devices page 3/4



Generic picture to illustrate OEE



ZBRN1 front view



ZBRN1 underside view

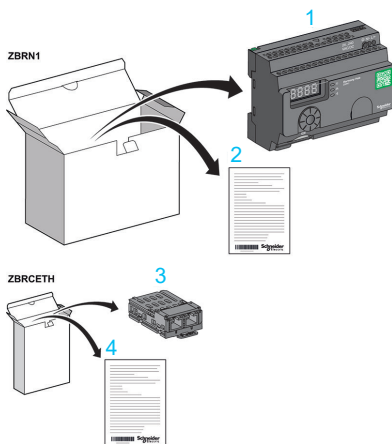


Figure A: ZBRN1: Standard Harmony Hub with Communication Module

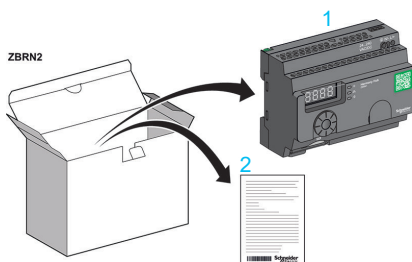


Figure B: ZBRN2: Harmony Hub for Modbus Serial Line Communication

Presentation

Harmony Hub provides network connectivity openness by operating as an intermediate equipment between the wireless devices and PLCs (Programmable Logic Controller) or industrial PCs (IT/OT box) that support Modbus/TCP protocols. Harmony Hub can be used with transmitters such as XB4R and XB5R wireless and batteryless pushbuttons, rope pull switch, mushroom head pushbutton, emergency stop monitoring, wireless and batteryless limit switches, temperature and energy sensors.

Harmony Hub provides an easy way to digitalize your production line to improve overall equipment efficiency (OEE) by using a non-intrusive wireless system easy to connect to IT system.

It collects physical signals from an operator interface or secondary sensing to generate computed data information for CMMS tools and operation management tools.

Data can be analyzed through our dedicated EcoStruxure platform through "AvevaInsight" software, "Maintenance Advisor" software and "Augmented Operator Advisor" on-premise application.

Depending on the application, an external or a relay antenna can be used to improve signal reception. Harmony Hub product can support up to 60 radio transmitters.

It can be configured through jog dial and 7-segment display (configuration and diagnostic modes), SoMachine, Unity Pro software, or third party FDT container using DTM (Device Type Manager) files (1)(2), and through SD card.

Description

Standard Harmony Hub with communication module (See figure A)

Harmony Hub ZBRN1 has an empty slot for the ZBRCETH communication module to support Modbus/TCP protocol. This communication module has 2 standard Ethernet RJ45 connectors that provide connectivity for daisy chain operation and daisy chain loop operation (when used with Schneider Electric ConneXium Ethernet switches) and thus avoids the use of an external switch or hub.

- 1 ZBRN1 standard Harmony Hub (3)
- 2 ZBRN1 instruction sheet
- 3 ZBRCETH Modbus/TCP network communication module
- 4 ZBRCETH instruction sheet

Standard Harmony Hub (See figure B)

Harmony Hub ZBRN2 has 2 embedded RS485 connectors that avoids the use of an external hub for RS485 serial line connection. The supported bps are 1200 bps, 2400 bps, 4800 bps, 9200 bps, 9600 bps, 38,400 bps, and 115,200 bps.

- 1 ZBRN2 Harmony Hub
- 2 ZBRN2 instruction sheet

(1) For more information on SoMachine and Unity Pro software, please refer to our website www.schneider-electric.com.

(2) DTM is a software component file that enables the SoMachine or Unity Pro software to communicate with the connected system.

(3) **ZBRN1** must be plugged with a communication module, reference **ZBRCETH** for Modbus/TCP protocol.

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal

Wireless and batteryless ecosystem device

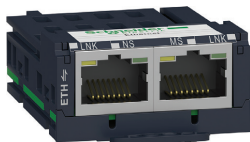
Harmony Hub ZBRN1 and ZBRN2



ZBRN1



ZBRN2



ZBRCETH



ZBRA2

Configurable Harmony Hub

Description	Data function	Output type	Receiver voltage V	Reference	Weight kg/lb
Configurable Harmony Hub equipped with: - 7 segment display - jog dial - 8 indicating LEDs (Power On, functions mode, communication status, signal strength) - external antenna connector and protective plug	Monostable (adjustable from 100 ms to 1 s)	1 slot for communication module ZBRCETH (should be ordered separately)	24...240 V	ZBRN1	0.270/0.595
	Monostable (adjustable from 100 ms to 1 s)	2 RS485 connectors that provides connectivity for Modbus RS485 Serial line	24...240 V	ZBRN2	0.263/0.580

Communication module

Description	Characteristics	Communication port	Reference	Weight kg/lb
Modbus/TCP network communication module	Modbus/TCP protocol with embedded Web pages in 5 languages for configuration, monitoring and diagnostics	2 RJ45 connectors that provides connectivity for daisy chain and daisy chain loop operation	ZBRCETH	0.044/0.097

Accessories

Product	Application	Description	Reference	Weight kg/lb
External antenna	Connected to the access point (ZBRN1 or ZBRN2) Used to increase the distance of transmission	2 m/6.56 ft cable 1 RF connector	ZBRA2	0.040/0.088

Note: The **ZBRN2** has embedded communication port for Modbus Serial Line, where as **ZBRN1** must be plugged with a communication module to support different protocols.

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal

Wireless and batteryless ecosystem device

Harmony Hub ZBRN1 and ZBRN2

Harmony Hub ecosystem device

Transmitter components for wireless and batteryless pushbuttons

Description	Type of push	Color	Reference	Weight kg/lb
Transmitter for wireless and batteryless pushbutton (1) (2)	1 radio frame sent at the push of the button	–	ZBRT1	0.025/0.055
	1 radio frame sent at the push of the button 1 radio frame sent at the release of the button	–	ZBRT2 (5)	0.025/0.055
Spring return pushbutton heads for transmitter ZBRT1	Flush (plastic)	Without cap (3)	ZB5RZA0	0.015/0.033
	Flush (metal)	Without cap (3)	ZB4RZA0	0.030/0.066
Spring return mushroom head for transmitter ZBRT1	Mushroom 40 mm/1.58 in. (plastic)	Black	ZB5RZC2	0.025/0.055
Wireless and batteryless pushbutton including: - a transmitter equipped with fixing collar - a spring return mushroom head	Mushroom 40 mm/1.58 in. (plastic)	Black	ZB5RTC2	0.055/0.121
Wireless and batteryless pushbuttons including: - a transmitter equipped with fixing collar - a spring return pushbutton head with cap attached (4)	Flush (plastic)	White	ZB5RTA1	0.045/0.099
		Black	ZB5RTA2	0.045/0.099
		Green	ZB5RTA3	0.045/0.099
		White I on green background	ZB5RTA331	0.045/0.099
		Red	ZB5RTA4	0.045/0.099
		White O on red background	ZB5RTA432	0.045/0.099
	Flush (metal)	Yellow	ZB5RTA5	0.045/0.099
		Blue	ZB5RTA6	0.045/0.099
		White	ZB4RTA1	0.085/0.187
		Black	ZB4RTA2	0.085/0.187
		Green	ZB4RTA3	0.085/0.187
		White I on green background	ZB4RTA331	0.085/0.187
		Red	ZB4RTA4	0.085/0.187
		White O on red background	ZB4RTA432	0.085/0.187
		Yellow	ZB4RTA5	0.085/0.187
		Blue	ZB4RTA6	0.085/0.187

Transmitter components for wireless and batteryless pushbuttons

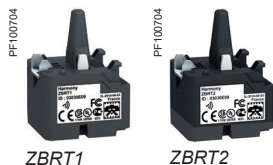
Description	Benefits	Reference	Weight kg/lb
Emergency stop pushbutton monitoring	When one or more of these buttons are pushed, the time required to identify the actuated emergency stop may be longer or shorter. This emergency stop is wired into the security chain with 2 NC contacts. Save time by easily identifying which emergency stop has been activated thanks to wireless connectivity to Harmony Hub.	XB5RALK178F	

(1) Fixing collar **ZB5AZ009** (plastic) or **ZB4BZ009** (metal) to be ordered separately.(2) Only heads **ZB4RZA0** and **ZB5RZA0** are mechanically compatible.

(3) Cap to be ordered separately. Refer to the "Accessories" table on page 2/8.

(4) This cap is factory-assembled and cannot be removed (risk of damage).

(5) This transmitter is only compatible with receiver ZBRR● version ≥ 2.0, relay antenna ZBRA1 version ≥ 2.0, and access point ZBRN● version > 1.2.



Control and signaling units Ø 22
Harmony XB5R plastic and XB4R metal
Wireless and batteryless ecosystem device
Harmony Hub ZBRN1 and ZBRN2



ZBRP1



XB5RP1US2

Harmony Hub ecosystem device (continued)

Transmitter components for wireless and batteryless rope pull switch

Description	Application	Reference	Weight kg/lb
Rope pull switch with wireless and batteryless transmitter	For automatic doors: The rope pull switch sends a radio message to the receiver in the control panel to open and close the door.	ZBRP1	0.150/0.331

Rope pull switch with wireless and batteryless transmitter, and a universal support accessory	For automatic doors: The rope pull switch sends a radio message to the receiver in the control panel to open and close the door.	XB5RP1US2	0.259/0.571
---	---	-----------	-------------

ZBRAUS2

Harmony Hub ecosystem device (continued)

Accessories- Caps for Harmony pushbutton heads ZB5RZA0 and ZB4RZA0

Description	Background color	Marking	Sold in lots of	Unit reference	Weight kg/lb
Sets of 10 different colored caps with identical marking (1)	White	Without	10	ZBA71	0.010/0.022
		"I" (black)	10	ZBA7131	0.010/0.022
		"↑" (black)	10	ZBA7134	0.010/0.022
		"+" (black)	10	ZBA7138	0.010/0.022
	Black	Without	10	ZBA72	0.010/0.022
		"O" (white)	10	ZBA7232	0.010/0.022
		"+" (white)	10	ZBA7233	0.010/0.022
		"∅" (white)	10	ZBA7235	0.010/0.022
		"I" (white)	10	ZBA7237	0.010/0.022
	Green	Without	10	ZBA73	0.010/0.022
		"I" (white)	10	ZBA7331	0.010/0.022
		"+" (white)	10	ZBA7333	0.010/0.022
		"∅" white	10	ZBA7335	0.010/0.022
		"II" (white)	10	ZBA7336	0.010/0.022
	Red	Without	10	ZBA74	0.010/0.022
		"O" (white)	10	ZBA7432	0.010/0.022
Set of 10 different colored caps with different markings (1)	Yellow	Without	10	ZBA75	0.010/0.022
	Blue	Without	10	ZBA76	0.010/0.022
	White, black, green, red, yellow, blue, white "I" on green background, black "I" on white background, white "O" on red background, white "O" on black background		1	ZBA79	0.010/0.022
Set of 6 different colored caps	White, black, green, red, yellow, blue		1	ZBA80	0.010/0.022

(1) Cap can be clipped on at 90° steps, through 360°.

DF540585



ZBA7235

DF569177



ZBA7331

DF569178



ZBA7432

PF100731



ZBA79



ZBRM22

ZBRACS



ZBRM22A0



XALD02



ZBRA1



ZBRA3



ZBRAUS2

Harmony Hub ecosystem device (continued)

Accessories (continued) - Boxes for wireless and batteryless pushbuttons

Product	Application	Description	Sold in lots of	Unit reference	Weight kg/lb
Plastic empty mobile box (1) (4)	For mobile and static applications with wireless and batteryless pushbuttons	1 cut-out	1	ZBRM21	0.109/0.240
		2 cut-outs	1	ZBRM22	0.110/0.243
Plastic mobile box equipped with button(s) and transmitter(s), 1 set of caps	For mobile and static applications with wireless and batteryless pushbuttons	1 button with ZBRT1 transmitter	1	ZBRM21A0	0.150/0.331
		1 button with ZBRT2 transmitter	1	ZBRM21B0	0.151/0.333
		2 buttons with ZBRT1 transmitters	1	ZBRM22A0	0.194/0.428
		2 buttons with ZBRT2 transmitters	1	ZBRM22B0	0.195/0.430
		1 button with ZBRT1 and 1 button with ZBRT2	1	ZBRM22AB0	0.195/0.430
		1 button with ZBRT2 and 1 button with ZBRT1	1	ZBRM22BA0	0.195/0.430
		Support for tube or wall specific for ZBRM21 and ZBRM22	-	1	ZBRACS
Empty plastic boxes for wireless and batteryless pushbuttons (2)	For static or on-board wireless and batteryless pushbuttons	1 cut-out	1	XALD01	0.136/0.300
		2 cut-outs	1	XALD02	0.193/0.426
Other Accessories					
Relay-antenna (3)	Between transmitter and receiver Used to increase the range and/or get round obstacles	24...240 V ~ □ 5 m/16.4 ft cable □ 1 power-ON LED □ 2 LEDs reception/transmission	1	ZBRA1	0.200/0.441
Passive antenna	Passive antenna to pass through a wall, must be close to a relay antenna or a receiver	□ 2 antennas □ 0.9 m/2.95 ft cable □ 2 RF connectors	1	ZBRA3	0.010/0.328
Vertical or horizontal support	Universal support for rope pull switch	A carabiner and a support to attach horizontally or vertically	1	ZBRAUS2	0.109/0.240
Fixing collar	—	Plastic	10	ZB5AZ009	0.038/0.084
		Metal	10	ZB4BZ009	0.038/0.084
Legend plate, 27 x 8 mm/ 1.06 x 0.32 in., for engraving	For sticking onto handy box ZBRM01, ZBRM21, and ZBRM22	Self-adhesive, blank, black background	10	ZBY0101T	0.005/0.011

(1) Cannot be used for wired contacts (no cable gland outlet).

(2) Box equipped with cable gland outlets, compatible with Harmony ZB5 pushbutton heads.

(3) Not wired to the receiver.

(4) Compatible with ZBRT1 and ZBRT2.

Control and signaling units Ø 22
Harmony XB5R plastic and XB4R metal
Wireless and batteryless ecosystem device
Harmony Hub ZBRN1 and ZBRN2

3



Harmony Hub ecosystem device (continued)		
Transmitter components for wireless and batteryless limit switches		
Reference	Description	Benefits
XCKW101	Metal plunger	Wireless products easy to install on your equipment with no machine cabling and maintenance For more information, see OsiSense XCKW page on www.schneider-electric.com
XCKW102	Steel roller plunger	2 linear type head: With head or linear movement (Plunger) For more information, see OsiSense XCKW page on www.schneider-electric.com
XCKW131	Thermoplastic roller lever	Wireless products easy to install on your equipment with no machine cabling and maintenance 7 rotary type head: With head for rotary lever
XCKW133	Steel roller lever	For more information, see OsiSense XCKW page on www.schneider-electric.com
XCKW141	Variable length thermoplastic roller lever	
XCKW143	Variable length steel roller lever	
XCKW139	Elastomer roller lever, Ø 50 mm	
XCKW149	Variable length elastomer roller lever, Ø 50 mm	
XCKW159	Round thermoplastic rod lever, Ø 6 mm	

Control and signaling units Ø 22

Harmony XB5R plastic and XB4R metal

Wireless and batteryless ecosystem device

Harmony Hub ZBRN1 and ZBRN2



XCMW110



XCMW102



XCMW115



XCMW116



XCMW145



A9XST114



A9MEM1560



A9MEM1570



LV434020



LV434021



LV434022



LV434023

Harmony Hub ecosystem device *(continued)*

Transmitter components for wireless and batteryless limit switches

Reference	Description	Benefits
XCMW110	Metal end plunger	Miniature format products designed to fit in extremely compact areas. Reduced installation time and cost, both for new machinery and renovate the current installations. No battery replacement and no recycling costs.
XCMW102	Metal roller plunger	
		2 linear type heads: With head for linear movement (Plunger)
XCMW115	Plastic roller lever	Miniature format products designed to fit in extremely compact areas. Reduced installation time and cost, both for new machinery and renovate the current installations. No battery replacement and no recycling costs.
XCMW116	Metal roller lever	
		3 rotary type heads: With head for rotary lever
XCMW145	Adjustable length plastic roller lever	

Transmitter components for wireless and batteryless temperature sensors

A9XST114	Temperature sensor	Measuring the temperature of food storage and processing equipment and rooms in order to respect the cold chain.
----------	--------------------	--

Transmitter components for wireless and batteryless energy sensors

A9MEM1560	Energy monitoring sensor	Cut down on installation time with the efficient and simple PowerTag® power sensor units. Designed to reduce downtime and save on costs, they provide the ultimate in convenience and flexibility.
A9MEM1570	Energy monitoring sensor	
LV434020	Energy sensor component	Energy Sensor PowerTag NSX to monitor the voltage, current and energy of a machine.
LV434021	Energy sensor component	
LV434022	Energy sensor component	
LV434023	Energy sensor component	

Control and signaling units Ø 22
Harmony XB5R plastic and XB4R metal
Wireless and batteryless pushbuttons
Wireless and batteryless ecosystem devices

Product reference index

■ Product reference index..... page 4/2

A			
A9MEM1560	3/9	ZB5RTA2	2/6 3/4
A9MEM1570	3/9	ZB5RTA3	2/6 3/4
A9XST114	3/9	ZB5RTA4	2/6 3/4
L		ZB5RTA5	2/6 3/4
LV434020	3/9	ZB5RTA6	2/6 3/4
LV434021	3/9	ZB5RTA331	2/6 3/4
LV434022	3/9	ZB5RTA432	2/6 3/4
LV434023	3/9	ZB5RTC2	2/6 3/4
X		ZB5RZA0	2/6 3/4
XALD01	2/9 3/7	ZB5RZC2	2/6 3/4
XALD02	2/9 3/7	ZBA71	2/8 3/6
XB4RFA02	2/5	ZBA72	2/8 3/6
XB4RFB01	2/5	ZBA73	2/8 3/6
XB5RALK178F	3/4	ZBA74	2/8 3/6
XB5RFA02	2/5	ZBA75	2/8 3/6
XB5RFB01	2/5	ZBA76	2/8 3/6
XB5RMA04	2/5	ZBA79	2/8 3/6
XB5RMB03	2/5	ZBA80	2/8 3/6
XB5RP1US2	2/7 3/5	ZBA7131	2/8 3/6
XCKW101	3/8	ZBA7134	2/8 3/6
XCKW102	3/8	ZBA7138	2/8 3/6
XCKW131	3/8	ZBA7232	2/8 3/6
XCKW133	3/8	ZBA7233	2/8 3/6
XCKW139	3/8	ZBA7235	2/8 3/6
XCKW141	3/8	ZBA7237	2/8 3/6
XCKW143	3/8	ZBA7331	2/8 3/6
XCKW149	3/8	ZBA7333	2/8 3/6
XCKW159	3/8	ZBA7335	2/8 3/6
XCMW102	3/9	ZBA7336	2/8 3/6
XCMW110	3/9	ZBA7432	2/8 3/6
XCMW115	3/9	ZBRA1	2/9 3/7
XCMW116	3/9	ZBRA2	3/3
XCMW145	3/9	ZBRA3	2/9 3/7
Z		ZBRACS	2/9 3/7
ZB4BZ009	2/9 3/7	ZBRAUS2	2/7 2/9 3/5 3/7
ZB4RTA1	2/6 3/4	ZBRCETH	3/3
ZB4RTA2	2/6 3/4		
ZB4RTA3	2/6 3/4		
ZB4RTA4	2/6 3/4		
ZB4RTA5	2/6 3/4		
ZB4RTA6	2/6 3/4		
ZB4RTA331	2/6 3/4		
ZB4RTA432	2/6 3/4		
ZB4RZA0	2/6 3/4		
ZB5AZ009	2/9 3/7		
ZB5RTA1	2/6 3/4		
		ZBRM21	2/9 3/7
		ZBRM21A0	2/9 3/7
		ZBRM21B0	2/9 3/7
		ZBRM22	2/9 3/7
		ZBRM22A0	2/9 3/7
		ZBRM22AB0	2/9 3/7
		ZBRM22B0	2/9 3/7
		ZBRM22BA0	2/9 3/7
		ZBRN1	3/3
		ZBRN2	3/3
		ZBRP1	2/7 3/5
		ZBRRA	2/7
		ZBRRC	2/7
		ZBRRD	2/7
		ZBRT1	2/6 3/4
		ZBRT2	2/6 3/4
		ZBY0101T	2/9 3/7



www.schneider-electric.com/control

Schneider Electric Industries SAS

Head Office
35, rue Joseph Monier
F-92500 Rueil-Malmaison
France

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Design: Schneider Electric
Photos: Schneider Electric