

Wireless, Batteryless Pushbutton

Harmony™ XB5R

The wireless, batteryless technology offers unlimited possibilities to operate and control your equipment, allowing you to cut installation and maintenance costs up to 20%.



Make the most of your energySM

Schneider
Electric

Installation made easy with no cable or battery

Utilizing the wireless technology, Harmony XB5R wireless, batteryless pushbuttons are easy to install in both new and existing applications, such as bottling, packaging, and conveying lines.

Now, you no longer need to pass a cable through the machine structure or cable tray to connect the pushbutton to the electrical panel, **cutting installation costs up to 20%** when compared to traditional wired solutions.



With the Harmony XB5R wireless pushbutton, gain freedom of movement that can increase the productivity of your people and equipment



When the operator pushes the button, mechanical energy is transformed into electrical energy, which sends a one-time radio message to the receiver. The batteryless solution offers permanent availability, benefits the environment, and eliminates costly battery maintenance, recharging, and recycling.

As the wireless signals can be passed through doors, walls, and floors, the operators can now enjoy greater freedom and mobility by remotely controlling machines at a distance of up to 25 meters in a factory environment.

Additionally, customers can add an external antenna to extend the coverage range and have more than one unit controlling the same equipment, i.e., many buttons can turn on/off a single receiver and vice versa, which becomes critical for industries where people and equipment constantly move around.

Perfect product for you:

- > Maximum flexibility and mobility in a factory environment
- > Get full control of your plant operations anytime, anywhere
- > Quick and easy to install or move after initial installation
- > No cable damage or screw terminal issues
- > No configuration required using ready-to-use packages
- > No costly battery maintenance and recycling
- > Ideal solution when you need to add or move a control function



<http://bit.ly/GALvideo>

Scan this code to see how one Schneider Electric™ Customer, GAI, is using the wireless, batteryless pushbutton to improve operator mobility and maintenance efficiency.



Up to 20% installation cost savings compared to a hard-wired solution

Get up and running with easy-to-use application packages

Schneider Electric is the first to offer ready-to-use packages, with transmitter and receiver already paired, making it easy to order and use. The packages are composed of a 24 VDC non-programmable receiver with one relay output receiver or a 24 – 230 VAC/DC programmable receiver with two relay outputs.

Furthermore, six LEDs at the front of the programmable receiver enable fast implementation by indicating power-on, device mode, or signal reception.

Plastic head

XB5RFB01

Metal head

XB4RFB01

- Transmitter with plastic or metal pushbutton
- Nonprogrammable receiver, 1 CO relay output

Plastic head

XB5RMB03

- Transmitter with plastic pushbutton ZB5R in ergonomic enclosure
- Nonprogrammable receiver, 1 CO relay output

Plastic head

XB5RFA02

Metal head

XB4RFA02

- Transmitter with plastic or metal pushbutton
- Set of 10 pushbutton caps
- Programmable receiver, 2 CO relay outputs

Plastic head

XB5RMA04

- Transmitter with plastic pushbutton ZB5R in ergonomic enclosure
- Set of 10 pushbutton caps
- Programmable receiver, 2 CO relay outputs



Get more with optional components

Additional ZB4 and ZB5 transmitters are available as components. For PLC applications, the range also includes a programmable receiver with four PNP outputs. An external antenna, to enhance the signal transmission, and an ergonomics box for remote use are available as accessories.

The Harmony XB5R wireless pushbutton is ideal for:

- Start/stop applications
- Basic adjustment (jogging) applications
- Speed control
- Reset after machine fault
- Interruption of machine



Selection table

| Catalog Number | Description |
|--|---|
| Packages | (consist of complete transmitter and receiver) |
| XB5RFB01 | Pack XB5R 22 mm transmitter nonprogrammable receiver 24 VDC |
| XB4RFB01 | Pack XB4R 22 mm transmitter nonprogrammable receiver 24 VDC |
| XB5RFA02 | Pack XB5R 22 mm transmitter programmable receiver AC/DC |
| XB4RFA02 | Pack XB4R 22 mm transmitter programmable receiver AC/DC |
| XB5RMB03 | Pack XB5R handheld transmitter nonprogrammable receiver 24 VDC |
| XB5RMA04 | Pack XB5R handheld transmitter programmable receiver AC/DC |
| Required components: transmitter, fixing collar, head, and receiver | |
| Transmitter | |
| ZBRT1 | Standard wireless transmitter |
| ZBRT2 | Dual-action wireless transmitter |
| Plastic head | |
| ZB5RTA1 | Transmitter with ZB5R head, white cap without marking |
| ZB5RTA2 | Transmitter with ZB5R head, black cap without marking |
| ZB5RTA3 | Transmitter with ZB5R head, green cap without marking |
| ZB5RTA331 | Transmitter with ZB5R head, green cap marking I white |
| ZB5RTA4 | Transmitter with ZB5R head, red cap without marking |
| ZB5RTA432 | Transmitter with ZB5R head, red cap marking O white |
| ZB5RTA5 | Transmitter with ZB5R head, yellow cap without marking |
| ZB5RTA6 | Transmitter with ZB5R head, blue cap without marking |
| ZB5RZA0 | ZB5R pushbutton head spring return without cap |
| Metal head | |
| ZB4RTA1 | Transmitter with ZB4R head, white cap without marking |
| ZB4RTA2 | Transmitter with ZB4R head, black cap without marking |
| ZB4RTA3 | Transmitter with ZB4R head, green cap without marking |
| ZB4RTA331 | Transmitter with ZB4R head, green cap marking I white |
| ZB4RTA4 | Transmitter with ZB4R head, red cap without marking |
| ZB4RTA432 | Transmitter with ZB4R head, red cap marking O white |
| ZB4RTA5 | Transmitter with ZB4R head, yellow cap without marking |
| ZB4RTA6 | Transmitter with ZB4R head, blue cap without marking |
| ZB4RZA0 | ZB4R pushbutton head spring return without cap |
| Contact assembly | |
| ZB4BZ009 | Metal fixing collar |
| ZB5AZ009 | Plastic fixing collar |
| Accessories | |
| ZBA79 | Caps, set of 10 different colors |
| ZBRA1 | External Antenna, 24-240 V AC/DC, 5 m cable |
| ZBRA2 | Access point passive antenna |
| ZBRM01 | Mobile control station, empty, one hole |
| ZBRM21 | Mobile handy box, one hole |
| ZBRM22 | Mobile handy box, two holes |
| ZBRACS | Handy box bracket |
| Receivers | |
| ZBRRA | Receiver programmable AC/DC – two relay output, momentary/maintained |
| ZBRRC | Receiver programmable DC – four PNP outputs |
| ZBRN1 | Access point receiver Ethernet port (Modbus/TCP) port (Ethernet port (Modbus/TCP) purchased separately) |
| ZBRN2 | Access point receiver serial port |
| ZBRCETH | Access point Ethernet port |



Innovative product for your applications



Industrial



Packaging



Automotive



Food and beverage



Automatic doors



For more information, visit
www.schneider-electric.us/go/wireless



<http://bit.ly/wirelessprogramming>

Scan to view the programming video



<http://bit.ly/jCL470>

Scan to download a programming instructions guide

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