



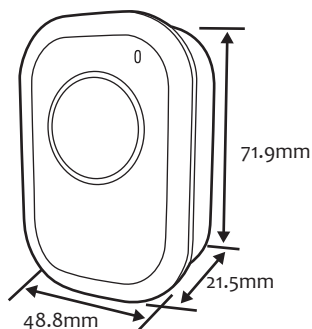
Overview

Name: Wireless Digital Input Transducer

Battery Type: CR123A x 1

Dimension: 71.9 x 48.8 x 21.5 mm

Accessories: Double-side Tape

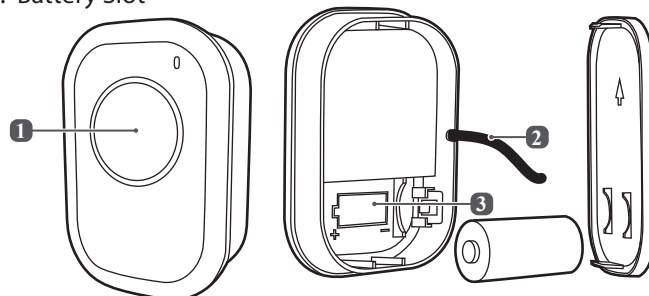


CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Names of Parts

1. Status LED / SET Button
2. Outlet Wiring
3. Battery Slot



Features

- ❖ Ability to send a signal wirelessly to the Gateway for monitoring a third party industrial detector status via DI/DO (dry contact) digital signal.
- ❖ Power Saving – one CR123A battery can be used for more than 1 year. It is also equipped with the low battery alert function.
- ❖ Easy Setup – simply press the SET button on the device to join the system at the first time.
- ❖ Switch Link – when linked with other sensors, users can configure the device to be an automatic switch to control the home automation devices (i.e. Power Switching).

Installation

I. Before Installation

1. Power on the Gateway.
2. Waiting for about 90 seconds until the Gateway led light become solid green instead of blinking.

Note: We suggest to use auto joining all device via APP at the first time. Please refer to **APP Quick Installation Guide**.

II. Device Installation and Manual Joining

1. Install the batteries with the correct polarity (+/-) as shown inside the battery compartment.

Note: Do not use rechargeable battery.

2. Connect the wiring pin of the third party device via dry contact (DI/DO).
The illustration on the right shows the description of integration and wiring method:

- ⇒ Wire 1- (Red): Dry contact Input (Positive)
- ⇒ Wire 2- (White): Dry contact Input (Negative)

3. Press the SET button at the top of the Gateway or short press the set button at the bottom of Router (Power Switching).
Then press the SET button of device.

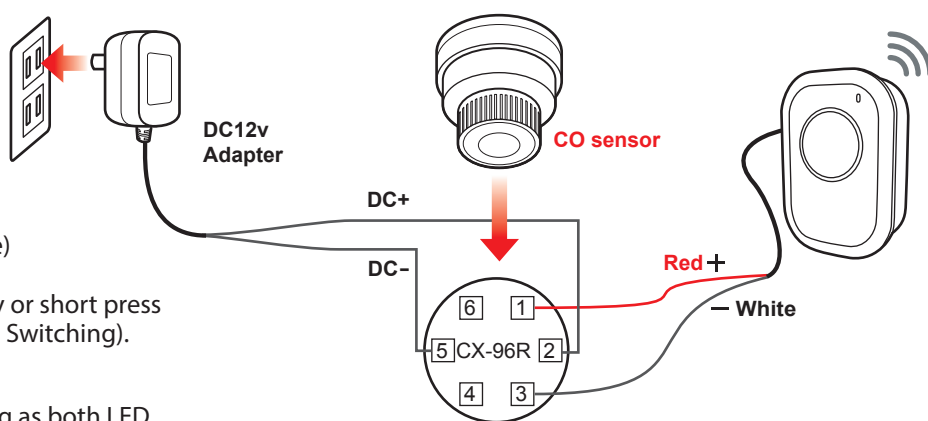
4. The Gateway/Router and the Sensor are joining as both LED indicators blink. The device blinks light red in 30 seconds. LED indicators light red once and turned off, indicating the device join process is successful.

Note: If the device join process is failed, both LED indicators on those joined devices will light red and stop blinking after 30 sec.

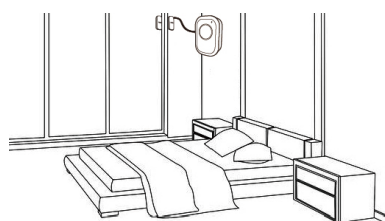
5. Use the double-sided tap or flathead screw to fix bottom case.

III. Device Deletion (Back to factory default settings)

1. First, Login into website.
About Login methods, please refer to **4. Basic Setting** of **Installation** in **Wireless Gateway Installation Guide**. (Page1).
2. To remove the device joining, take out the battery, long press SET button 10 seconds. (Please Turn Over)



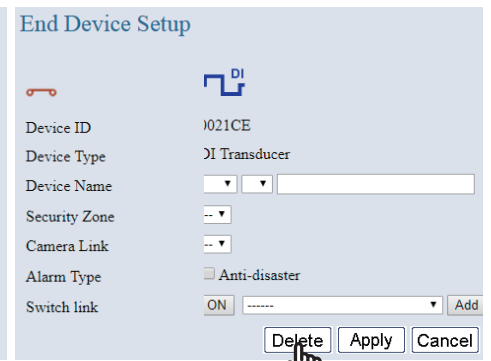
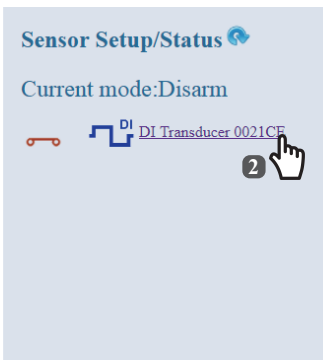
CX-96R CO Detector Wiring Diagram



Installation (Continue)

III. Device Deletion (Back to default settings)

3. Delete the device from the website.
(See the features on the right side.)
4. Long press the SET button at the back of the device. The LED indicator blinks red and then turns off. After 6 seconds, the LED indicator blinks red, indicating the deletion process is successful. (Please complete the procedure in 3 minutes.)



Note: After device deletion, it will back to auto joining mode. 3

Notice

- ❖ Design for monitoring the third party industrial detector status via DI/DO (dry contact) digital signal.

Troubleshooting

Problem	Solution
The LED indicator lights abnormally when linking to the system	- Make sure the battery power is adequate and wires' connections are properly connected. - Reset to factory default (Please see Installation, III. Device Deletion), and re-join to the system. - If the problem persists, please contact your local distributor.
Cannot link to the system	Check the wireless signal via RSSI and the distance between device and Gateway/Router (line of sight) is 200 meters (max.). If there is any obstructions (i.e. walls or metal objects) between the devices, the distance will be shorter. Users can move the device closer or add a Router, then try again.

Specifications

Wireless DI Transducer	
Electrical Specifications	
Communication Protocol / Frequency	Zigbee Pro ZHA1.2 / 2.4 GHz ISM band
Operation Range	Up to 200 meters (LOS)
Operating Voltage	3 VDC
Battery Type	CR123A x 1
Battery Life	Up to 1 year
Input Signal	Dry contact x 1
LED Indicator	Red
Environmental Requirement	
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 70°C
Humidity	90% RH Max., Non-Condensing
Mechanical Specifications	
Dimension (W x H x D)	71.9 x 48.8 x 21.5 mm
Weight (without battery)	32g
Wire Assignment	
Wire 1- (Red)	Dry contact Input (Positive)
Wire 2- (White)	Dry contact Input (Negative)



Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.