Wireless DI Transducer User's Manual

Product Name: **Wireless DI Transducer**

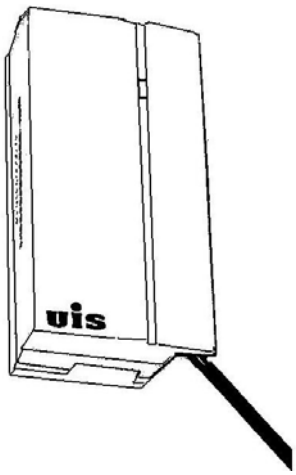
Model No: **WDT-110**

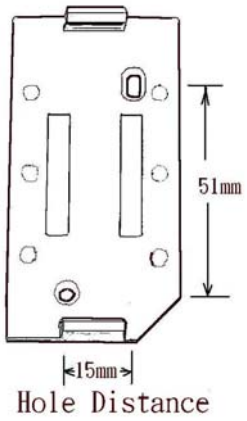
Input Power: **3V DC**

Features Description:

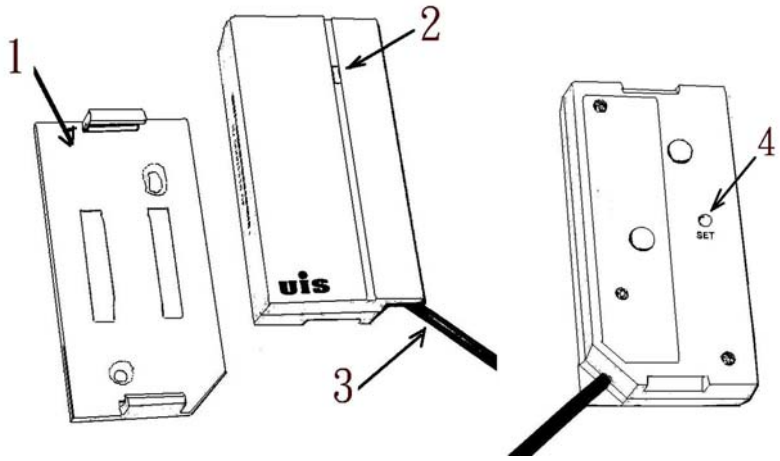
1. To wireless transmission (opens / closes) the Dry contact signal to the repeater can be provided with a wide range of Alarm Dry contact connected to the Sensor Products.
2. Use CR2032 type Li-ion batteries, battery power is insufficient to inform the host will automatically operate a very low power, the battery can be used for more than one year and a half.
3. Due to spill-resistant design for the case, so to replace batteries, the need to remove screws and opened case.
4. Easy link, Linked with the post-instrumentation wiring ready, when install at the first time to press the set button on the side of product binding with repeater.
5. WDT-110(Wireless DI Transducer) has a magnet base, can be adsorbed on the iron outside the box. Foundation stop plate can be fixed on the pillar approach.

Outline Dimensions:





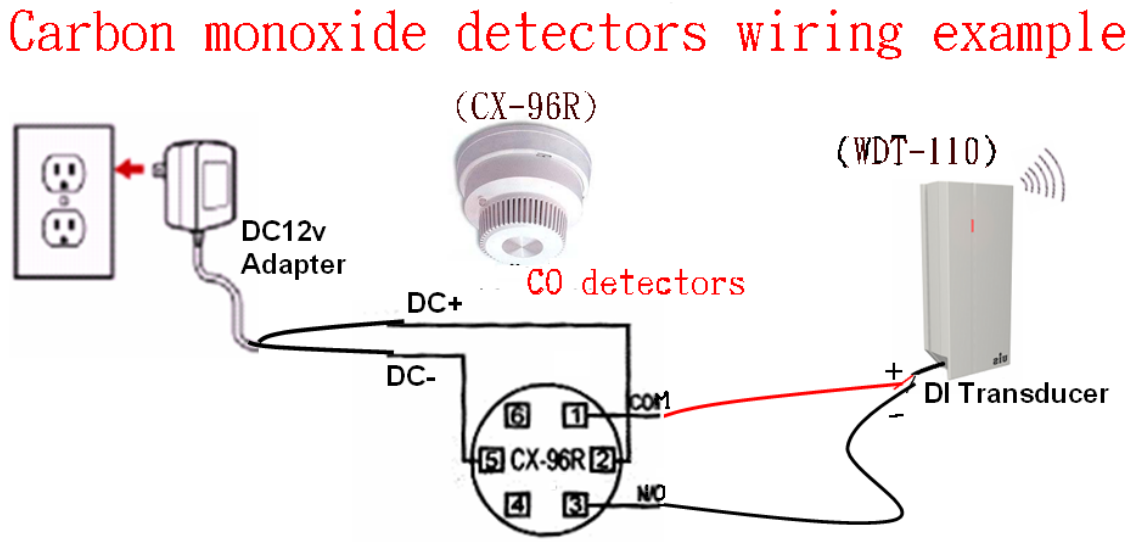
Feature Locator:



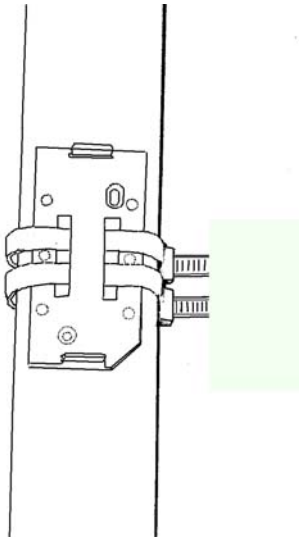
1. Foundation stop plate
2. State of LED window
3. Outlet wires
4. (SET) Setting button

Installation Hints:

1. Need to first WDT-110(Wireless DI Transducer) of Dry contact input signal wire, with the industrial or household use of the various warnings dry contact sensor connected before use.
2. WDT-110(Wireless DI Transducer) leads two features excellent line and described as follows:
   a. Black wire Signal input (negative)
   b. Red wire Signal input (positive)
3. With a CX-96R (Carbon monoxide detectors) devices as an example, the wiring diagram that is as follows:



4. The WDT-110(Wireless DI Transducer) input signal properly then after the loop, and then press the SET button of WDT-110, Then press the setting button of WR-110(Wireless repeater) bottom. Wait for 30 seconds to 1 minute. If LED indicator light flash three times that means linking success. If LED indicator light flash two times that means fail.
5. Join to link with Gateway, please reference user manual of WCC-110 (Wireless console controller).
6. Foundation stop plate can be fixed on the pillar approach, the fixed as follows plans:



Troubleshooting:

1. Problem: When link with WR-110 (Wireless repeater), there is no display of LED indicator light for WDT-110 (Wireless DI Transducer) to flash two or three times.

   Solution : a. Need to confirm the detection of the external dry contact output of the circuit wiring is correct.

   b. May be not press set button, need to link with repeater again.

   c. If the above handles are invalid, please contact with agency.

2. Problem: Unable to link with WR-110 (wireless repeater).

   Solution: a. It needs to confirm the distance between WDT-110 (Wireless DI Transducer) and WR-110 (Wireless repeater). Wireless connects in non-camouflage straight line effective range 10 meters. May pull closer between both distance tests to have a look first, whether to have the improvement segment condition.

Specification:

Wireless DI Transducer	
Model No.	**WDT-110**
Electrical Specification	
Transmit Frequency	**2.4GHz**
Modulation	**GFSK**
Transmit Power	**0 dBm**
Channel spacing	**1 MHz**
Channel NO.	**81 Channel(2401~2481Mhz)**
Range of operation	**10 meters**
Operating voltage	**3.0V DC**
Current (typical)	**Working:14mA Peak** **Standby:1 uA Max**
Battery Type	**CR2032**
Battery Quantity (PCS)	**1**
Input Signal	**Dry contact*1**
Display Type	**Red LED indicator**
Operation Interface	**Push Switch**
Environmental Requirement	
Operating temperature	-20°C to 60°C
Storage temperature	-20°C to 70°C
Humidity	90% RH Max. Non-Condensing
Mechanical Specification	
Dimension (WxHxD, mm)	40x80x22
Weight (No Battery)	35g
Weight (Include Battery)	38g
Pin Assignment	
Pin 1- (Red)	Dry contact Input (Positive)
Pin 2- (White)	Dry contact Input (Negative)

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Canada Warning

"Industry Canada regulatory information Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including

interference that may cause undesired operation of the device.""The user is cautioned that this device should be used only as specified within this manual to meet RF exposure requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions."