

Universal Transmitter (UT-15SL)

Universal Transmitter monitors the opening/closing of specified device that is connected to it. If any alarm is triggered by the connected device, the Universal Transmitter transmits the alarm signal to Control Panel to notify users of an alarm event.

Universal Transmitter design consists of a cover and base. The cover contains all electronics and the base provides a means for fixing the device.

The Universal Transmitter includes two models according to availability of tamper switch.

UT-15SL-F1: Tamper switch available

UT-15SL-NT-F1: Tamper switch removed

● Parts Identification

1. LED indicator a.k.a. Learn / Test button

2. Mounting Holes

Used to fixed and screw the Universal Transmitter directly onto the Door Frame or Wall, covered by white caps.

3. Tamper Switch

Provides tamper protection against unauthorized device opening and/or removal from mounting surface.

4. Battery Insulator

5. Fixing Screw

Screw used to secure the top and bottom case of the Universal Transmitter.

6. Extension Terminal 1

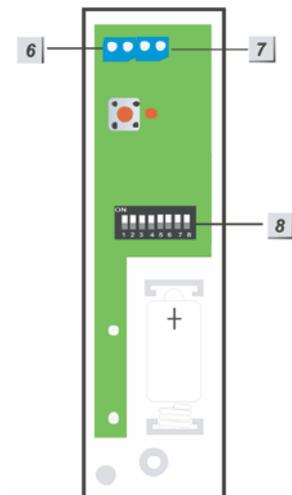
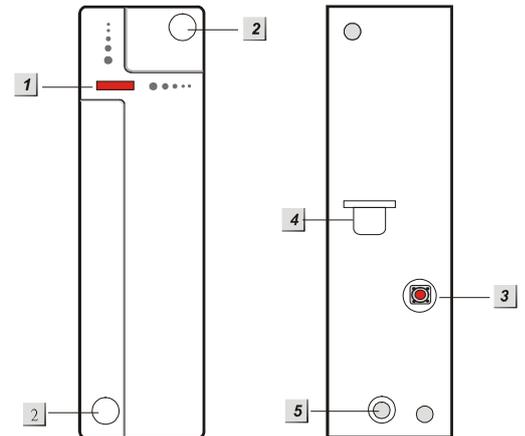
Used for Door Contact, IR, Smoke Detector or Panic Button connection

7. Extension Terminal 2

Used for Roller shutter connection

8. DIP Switch

SW1	Terminal 1 Type = Door Contact
ON	Enable (Default)
OFF	Disable
SW2	Terminal 1 Type = IR
ON	Enable
OFF	Disable (Default)
SW3	Terminal 1 Type = Smoke Detector
ON	Enable
OFF	Disable (Default)
SW4	Terminal 1 Type = Panic Button
ON	Enable
OFF	Disable (Default)
SW5	Supervision
ON	Enable (Default)
OFF	Disable
SW6	CON4 NO/NC
ON	Normal open
OFF	Normal close (Default)
SW7	Roller shutter Activation
ON	8 pulse / 10sec
OFF	5 pulse / 10sec (Default)
SW8	Reserved



< NOTE >

- ☞ After you have set one function by sliding the DIP switch, you have to press Test Button to confirm the setting.
- ☞ Only 1 switch of Dip Switch 1~4 can be set to ON position at a time.

● **Accessories Included**

- a) 1 Magnet
- b) 2 White Caps
- c) 2 Screws
- d) 2 Wall Plugs

● **LED Indicator**

The LED will light up in the following situations:

- When the Universal Transmitter is activated by connected device.
- When the cover is opened and the tamper switch is violated.
- The LED indicator will flash twice when receiving acknowledge from the Control Panel.

● **Battery**

- The Universal Transmitter uses one **CR2 3V Lithium battery** as its power source. Please note: **ALWAYS** replace battery with the correct size and voltage.
- When the Universal Transmitter is low in battery, the LED will flash and a low battery signal will be sent to the Control Panel along with regular signal transmissions for the Control Panel to display the status accordingly.
- When changing batteries, after removing the old batteries, press the Tamper Switch twice to fully discharge before inserting new batteries.

● **Supervisory Signal (when the Dip Switch 5 is ON)**

- After installation, UT-15 will automatically transmit Supervisory Signals periodically to the Control Panel at random intervals of 15-18 minutes.
- Failure of the Control Panel to receive a preset Device Contact signal, the Control Panel will display the particular Device Contact is experiencing an out-of-signal problem.

● **Getting Started**

- Remove the fixing screw and cover assembly.
- Insert the “**CR2 3V**” battery into the battery holder connecting the polarity correctly.
- Choose the type of connected device by sliding one Dip Switch on Universal Transmitter (Dip Switch 1, 2, 3, or 4) to ON position and then press Test button to confirm settings.
- Put the Control Panel into learning mode, refer to Control Panel manual for detail.
- Press the Universal Transmitter’s test button.
- Refer to Control Panel manual to complete the learn-in process.
- After the Universal Transmitter is learned-in, place the Control Panel into (**Walk Test**) mode, hold the transmitter at desired location, and press the Test button to test signal range.
- Proceed with mounting and installation once you are satisfied that UT-15 location functions properly.

● **Mounting Methods and Installation**

Step 1: Find a suitable location for mounting.

Step 2: Mounting:

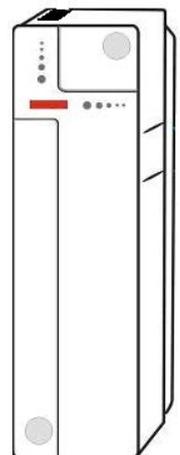
- (i) Use the mounting holes on the transmitter as a template of appropriate hole positioning.
- (ii) Use the provided wall plugs for plaster/brick installation.
- (iii) Screw the transmitter into the provided wall plugs.

< Note >

- ☞ Ensure the tamper switch spring is positioned so that it makes contact with the mounting surface through the tamper switch aperture.

Step 3: Put the Control Panel into (**Walk Test**) Mode, and press the Test Button to test signal range

Step 4: Fit the white caps to the two mounting holes, installation is complete.



- **Using the Extension Terminal 1 (CON 4)**

The Extension Terminal 1 of Universal Transmitter can be connected to a device to form a NO or NC loop with the device. When the device is activated, the Universal Transmitter will transmit signal accordingly

CONNECTION TO EXTENSION TERMINAL:

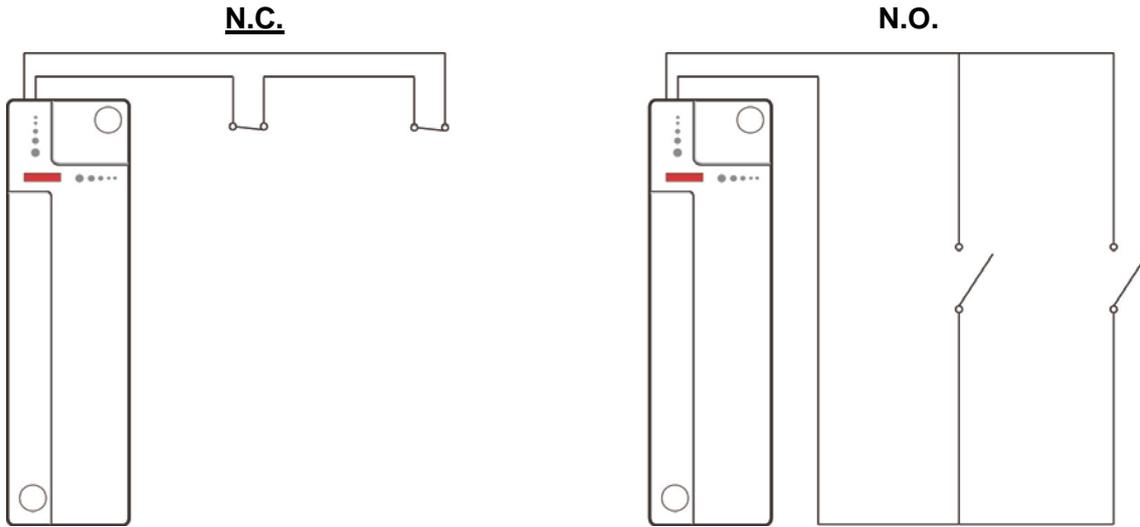
Step 1: Open the cover by loosening the fixing screw..

Step 2: Use Dip Switch 6 to select N.O. or N.C. setting for Extension Terminal 1

Step 3: Locate a rectangular through-hole on the upper end of the front case. This through-hole allows the wiring connection to the Extension Terminal. Connect the wired device to the extension terminal.

Step 4: Activate connected device to test signal transmission.

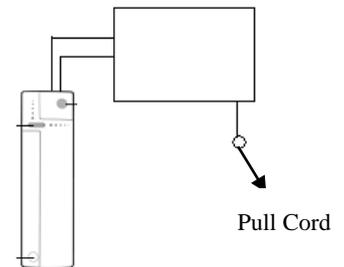
- For multiple device wiring, refer to diagram below.



- **Using the Extension Terminal 2 (CON5)**

The Extension Terminal 2 can be triggered by the rotations of the axle. Connect the roller shutter to Extension Terminal 2 to use this function.

- When the pull string is pulled down or retracted, it will cause axle rotation. Option are available for alarm trigger with 5 or 8 axle rotations.
 - ☞ 5 axle rotations are about 9.5 cm.
 - ☞ 8 axle rotations are about 13 cm.
- When the Pulse does not achieve the number of triggered times in 10 sec, the count will reset.
- The times of Pulse, which causes the terminal 2 alarm trigger, can be programmed by Dip Switch 7 Setting



Federal Communication 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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.