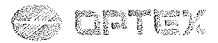


WIRELESS 1000 Annunciator System



TC-10U DOOR/WINDOW TRANSMITTER

This product is only compatible with Wireless 1000 series.

TC-10U MANUAL

Please read this manual carefully before installation.

CAUTION

Please be careful of the following:

1. Outdoor Use

The TC-10U Transmitter is Suitable for both indoor and outdoor use, being careful not to expose directly to rain.

2. High Temperature, High Humidity & Dirty Fumes

Do not expose the TC-10U to high temperature changes, rapid changes in temperature, steam, high humidity or oily smoke.

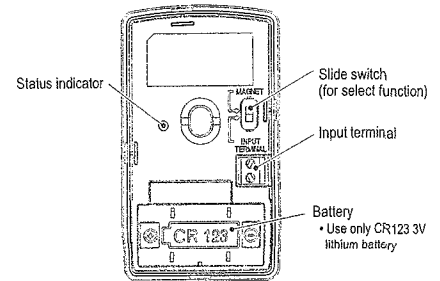
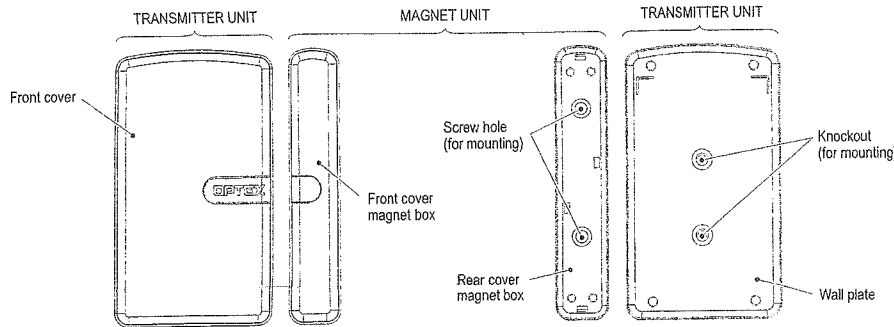
3. Transmission range may decrease under the following conditions.

- A steel door, reinforced concrete, or other metal obstructions between the TC-10U and the receiver.
- Installing either the TC-10U or the receiver on a metal surface.
- Places near strong radio sources such as a broadcast stations or high power lines.
- To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

FEATURES

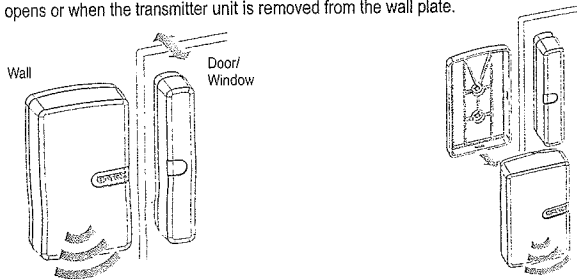
- Compatible with RC-10U (Chime Box W/Relay), RG-10U (Single Relay Receiver)
- Can be installed on Door/Window.
- Weather proof structure (IP54) for indoor and outdoor where don't have rain direct.
- Over 8 million codes possible, eliminates interference from neighbours
- Powered by CR123 3-Volt lithium battery (not included)
- Low battery signal
- Two unique functions; the first is for its built-in magnet switch and the second is input terminal for the OPTEX's battery operated detectors.

PART IDENTIFICATION

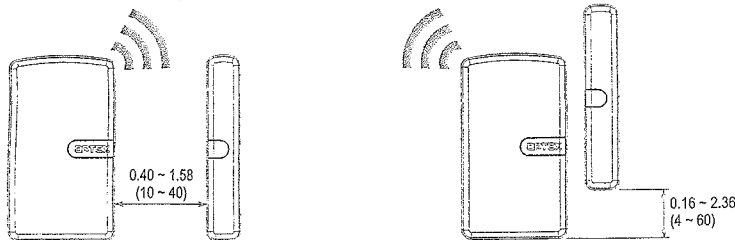


OPERATING CONDITION

It transmits when the door opens or when the transmitter unit is removed from the wall plate.



It transmits when the distance of the magnet unit from the transmitter unit is as shown.



It transmits when the distance of the magnet exceeds 1.58 inches as shown.

It transmits when the distance of the magnet exceeds 2.36 inches as shown.

MAXIMUM TRANSMISSION RANGE

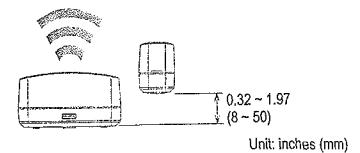
TC-10U 700ft. (open field, line of sight.)

Measurements were made over level ground without obstruction.

Natural or man-made obstacles and other environmental factors can interfere with or otherwise reduce transmission range. Always confirm actual transmission range during installation of system. Please use the information below as a reference for transmission performance.

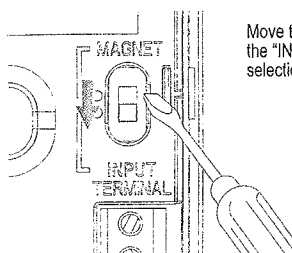
Plaster construction: 110ft

Reinforced concrete construction: 70ft

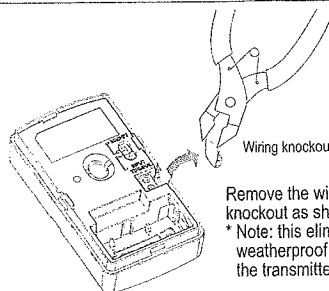


It transmits when the distance of the magnet exceeds 1.97 inches as shown.

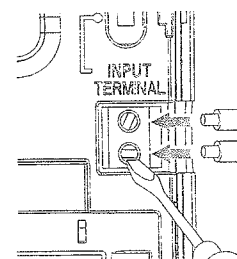
When using OPTEX's battery operated detector



Move the slide switch to the "INPUT TERMINAL" selection.



Remove the wiring knockout as shown. * Note: this eliminates the weatherproof rating of the transmitter.

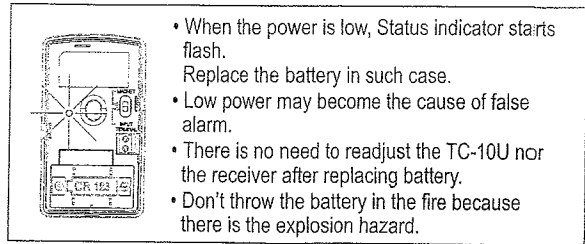
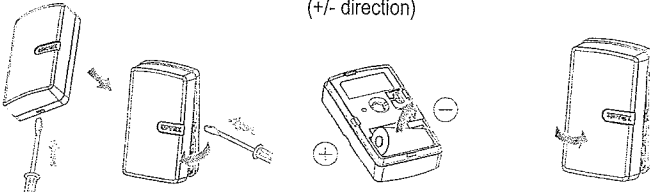


Connect any Optex wireless detector to the input terminals

* The transmitter can be mounted in any wireless Optex detectors backbox.
* For a complete list of applicable detectors, visit www.optexamerica.com

INSTALLATION BATTERY

1. Remove the Front cover as shown.
2. Insert Battery. Observe polarity. (+/- direction)
3. To replace the cover. *confirm its closed surely



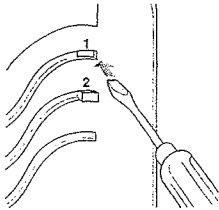
- When the power is low, Status indicator starts flash. Replace the battery in such case.
- Low power may become the cause of false alarm.
- There is no need to readjust the TC-10U nor the receiver after replacing battery.
- Don't throw the battery in the fire because there is the explosion hazard.

TEACH TRANSMITTER CODES TO THE RECEIVER

The receiver must be taught this TC-10U's unique code before use. Refer to the receiver's manual for details.

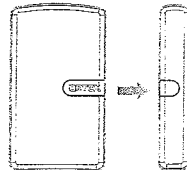
1. Preparation

- Press Switch 1 of the receiver until the power indicator starts flashing.
- Press switch 2 to select the zone you wish to assign to the sensor.



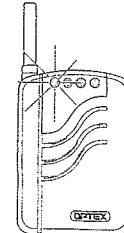
2. Activation

- Separate the magnet unit from transmitter unit.
- Verify that the receiver has learned successfully by observing the zone indicators of the receiver. Zone indicators should have stopped flashing and remain continuously on.



3. Verification

- After teaching all the transmitter's codes (if you have multiple transmitters), return the receiver to normal operating status.
- Make sure that the receiver operates correctly with all the transmitters.

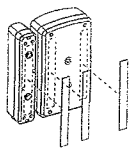


Note:

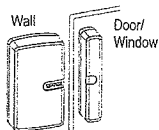
Cover the TC-10U until you are ready to teach the receiver. Unwanted detection can cause the TC-10U to be assigned to the wrong zone and override the data of other transmitters.

INSTALLATION

Double stick tape installation



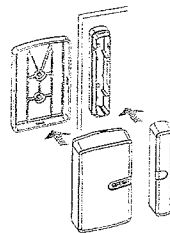
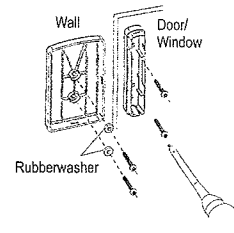
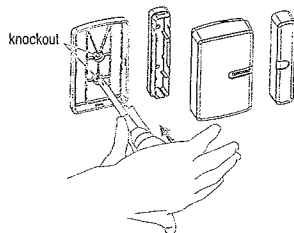
Place the double stick tape as shown.



Clean the installation positions before installing them. Install the transmitter unit on the wall. Install the magnet unit on the door or window.

* Align the magnet unit within 0.2 inch (5 mm).

Screw installation



Install the transmitter unit on the wall with rubber washer and mounting screws (two places). Install the magnet unit on the door or window with mounting screws.

To put back the cover.

- * Without the uses of the rubber washer, the unit will lose its weatherproof rating.
- * Align the magnet unit within 0.2 inch (5mm).

TROUBLESHOOTING

1. The system is not operating.

Check the transmitter.

- | | |
|---|---|
| Does the status indicator light up when you remove transmitter unit from wallplate? | → If not, check to see if the battery is inserted correctly. Otherwise try a new battery. |
| Is the status indicator flashing? | → The battery is old. Replace the battery. |

Check the receiver (or repeater).

- | | |
|--|--|
| Is the power indicator of the receiver lit? | → Is the receiver on? Check the wiring, power switch and connection. |
| The receiver does not respond to the TC-10U. | → The TC-10U is not properly recognized by the receiver. Teach the receiver correctly. |
| The zone indicator of the receiver is on, but nothing happens. | → Receiver has not been properly setup. Refer to the receiver's manual and verify the setting. |
| Is there anything blocking the transmission? | → Relocate the receiver and/or the TC-10U. Metal objects can shorten the effective transmission range. |

2. The system is not operating correctly.

- | | |
|---------------------------------|--|
| It does not transmitting. | → Does it makes between Transmitter unit and Magnet unit within 0.2 inch (5 mm)? |
| | → Is its distance more than transmission range to receiver? Please use repeater. |
| Before contacting the supplier! | → Remove the battery, then reinsert the new batteries and verify the TC-10U's operation again. |

• If addition help is needed, please contact your supplier.

CONFIRMATION

After installation, door/window open and close. And confirm the receiver weather it is received.

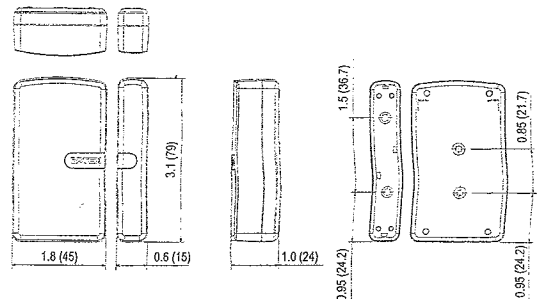
SPECIFICATIONS

Model	TC-10U
Description	Door/Window Transmitter
Status Indicator	Red LED
Power Source	3V:CR123 lithium battery (not include)
Battery Life	2years [100 times per day at 70°F (20°C)]
Frequency	418MHz
Input terminal	Our battery operated detector only
Operating Temp.	15°F ~ 120°F (-10°C ~ +50°C)
Installation Location	Indoor / Outdoor where don't have rain direct.
Accessories	Double stick tape × 3, Screw × 4, Rubber Washer × 2
Weight	2.5oz (70g) (not included battery)

Specifications may change without notice

DIMENSIONS

Unit: inch (mm)



LIMITED ONE-YEAR WARRANTY

- (1) This Sensor Transmitter is warranted to the original consumer purchaser to be free from defects in material and workmanship under normal use for one (1) year from the date of purchase. If the product proves to be defective, return it postage prepaid with a copy of your dated sales receipt for repairs or replacement without charge.
- (2) This warranty is in lieu of any and all other warranties, whether expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose.
- (3) This warranty is invalid under the following circumstances:
 - Mechanical or electrical modification(s) are made to the product or it is otherwise altered manually.
 - The product is already been serviced at place(s) other than the manufacturer.
 - It is determined that the product malfunction has resulted from improper use or from an accident.
 - No copy of the dated sales receipt has been submitted together with the product to be serviced.



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