IRELESS 1000 Annunciator System

TD-10U IN/OUTDOOR SENSOR TRANSMITTER

This product is only compatible with other devices of Wireless 1000 series.

TD-10U MANUAL

Please read this manual carefully before installation.

FEATURES

- Compatible with RC-10U (Chime Box W/Relay) & RG-10U (Single Relay Receiver)
- 15m Long Range & 5m Fan Pattern selectable
- Can be installed on Wall, Ceiling, and Desktop
- Weather proof structure (IP 54) for indoor and outdoor applications
- Over 8 million codes possible, eliminates interference from neighbors
- Powered by a 9-Volt alkaline battery (not included)
- Low battery signal
- LED indicator

CAUTION

Please be careful of the following:

1. Outdoor Use

The TD-10U Transmitter is suitable for both indoor and outdoor use.

2. High Temperature, High Humidity & Dirty Fumes

Do not expose the TD-10U to high temperatures, rapid temperature changes, steam, high humidity, dirty fumes or oily smoke.

3. Light

Direct sunlight or automobile headlights may cause false alarms.

4. Obstruction

Moving objects such as bushes or curtains may cause false alarms.

5. Other Electric Devices

Use the TD-10U at least 3ft (1m) away from following devices: TV, radio, personal computer, microwave oven, refrigerator, any device that has an electric motor

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter

6. Transmission range may decrease under following conditions.

- A steel door, steel reinforced concrete, or other metal obstructions between the TD-10U and
- one receiver.

 Installing either the TD-10U or the receiver on a metal surface.

 Places near strong radio sources such as a broadcast stations or high power lines.

7. Impact/Shock

Do not drop the TD-10U or give it a strong impact/shock.

8. Tampering

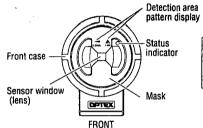
The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

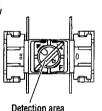
9. Battery Replacement

Replace the battery every 2 years. Use only 9V alkaline batteries.

Harsh cleaners such as paint remover or benzene may ruin the surface. Use a soft, wet cloth and mild soap or detergent to clean.

PART IDENTIFICATION





adjustment knob



Use a 9V alkaline battery

MAXIMUM TRANSMISSION RANGE

TD-10U 1000ft, (open filde, 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.

Stucco/Plaster construction:	150ft	
Reinforced concrete construction:	100ft	

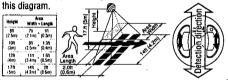
DETECTION AREA ADJUSTMENT

Selecting the appropriate detection pattern for the TD-10U enhances its detection ability and false alarm immunity. The TD-10U is shipped to you in the fan pattern setting, but you can easily select either fan or long range. Select Long Range detection area for Drive-Up Announcer applications.

Note: Moving trees and open areas can cause false alarms. For best results, aim the TD-10U at a wall or the ground to end its detection area with a solid back-

Fan Pattern

When using fan-pattern, install the TD-10U so an approaching person will pass through the defection area as shown in



Long Range

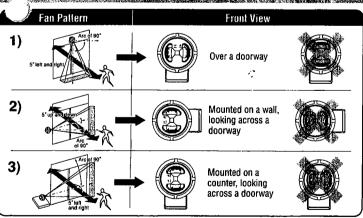
When using Long-range, install the TD-10U so an approaching person will pass through the detection area as shown in this diagram.

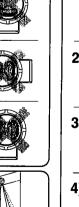


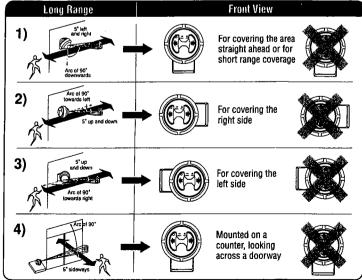


DRIEX

Installation: Methods







How To Choose Detection Pattern

If there is an area within fan-pattern detection area that you

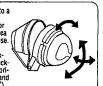
do not want to include, mask part of the lens with a tape.



2. Choose from the two detection area pattern by pointing the arrow to either.



3. Turn the mask to a Turn the mask to a position that is most suitable for the detection area pattern you chose. The mask is adjustable clock-wise/counterclock





To avoid detecting small animals, make sure the TD-10U is installed horizontally using the long range setting and at least 2.6ft, (80cm) above around.

INSTALLING BATTERY

1. Use a screw driver to snap open the casing.



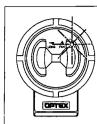
2. Attach the connector to the battery.



3. Fasten the battery with the battery clamp hook.



Note: Avoid turning the lens assembly while the battery is connected. Excessive turning can damage the wire connections.



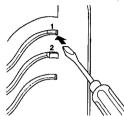
- · When the power is low, the status indicator starts to flash. Replace the battery in such case, even if the battery is less than a year
- Low power may become the cause of false alarm
- . There is no need to readjust the TD-10U nor the receiver after replacing batteries.

TEACH TRANSMITTER CODES TO RECEIVER

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

1. Preparation

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



2. Activation

- Wave your hand in front of the TD-10U to trigger it.
 Verity that the receiv-
- er learned successfully by watching the zone indicators of the receiver. Zone indicators should have stopped flashing and remained continuously it.



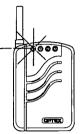
3. Verification

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

CONFIRMATION

the boundaries of detection area

react to objects too far away to be of any importance.



· Wave a hand close to the floor, if you have chosen fan-pattern and installed the TD-

If you installed the TD-10U pointing sideways, walk by the detector to find boundaries.

Place the TD-10U close to an entrance. An approaching person may go around the

Make sure that the detection area is blocked by a wall or a floor. The TD-10U may

10U over the doorway pointing down. By watching the status indicator, you can find

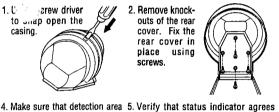
Cover the TD-1011 until you are ready to teach the receiver. Unwanted detection can cause the TD-10U to be assigned to a wrong zone and override data of other transmitters.

INSTALLATION



covers the intended area.

2. Remove knockouts of the rear cover. Fix the rear cover in place usina . screws



with the detection pattern you chose.

6. Verify that movement direction



3. Close the casing.



Fan Pattern

Long Range

SPECIFICATIONS

detection area otherwise.

Model	TD-10U	
Description	Sensor Transmitter	
Detection Method	Passive Infrared	
Detection Are	50ft (15m) Long Range/17ft (5m) Fan Pattern	
Angle Adjustment	90° Vertically & 土5° Horizontally	
	or	
	±5° Vertically & 90° Horizontally	
Status Indicator	Red LED	
Power Source	9V Alkaline Battery	
Battery Life	Approx. 2 years [250 times per day at 70°F (20°C)]	
Frequency	418MHz	
Operating Temperature	15°F ~ 120°F (−10°C ~ +50°C)	
Installation Location	Outdoor/Indoor	
Accessories	Mounting Screw × 2	
Weight	6.3 oz (180g)	
Cassillastings may shares without not	An	

Specifications may change without notice

TROUBLE SHOOTING

1. The system is not operating. Check the transmitter.

Does the status indicator light up when you walk in front of the TD-10U?

- If not, check to see if the battery is inserted correctly. Otherwise try a new battery.
- Is the detection area setting appropriate? If not, fix the setup.
- The battery is old. Replace the battery.

switch and connection.

Is the status indicator flashing?

Check the receiver.

nothing happens

Is the power indicator of the receiver lit?

The receiver does not respond to the TD-10U.

The TD-10U is not properly recognized by the receiver. Teach the receiver correctly.

Is the receiver on? Check the wiring, power

The zone indicator of the receiver is on, but

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 TD-10U. Metal objects can shorten the effective transmission range.

2. The system is not operating correctly.

A particular zone is malfunctioning.

Are there small animals in the area?

Does direct sunlight or light from automobiles enter the sensor window?

Is the TD-10U installed on a stable platform?

Is there anything that may cause rapid temperature change in detection area? (i.e. stove)

Is there anything that may cause rapid temperature change of the TD-10U? (i.e. air conditioner)

. If above solutions do not work, please contact your supplier for services

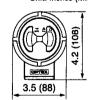
Before contacting the supplier!

- It is probably the transmitter's problem. Check the TD-10U using this zone.
- Refer to the Pet Alley section in DETECTION AREA ADJUSTMENT.
- Reorient the TD-10U to avoid such light sources.
- Relocate the TD-10U to a stable platform.
- Remove any objects that may cause rapid temperature change from the detection area.
- Relocate the TD-10U to another place.
- Remove the battery, then reinsert the same batteries and verify the TD-10U's operation again.

DIMENSIONS

Unit: inches (mm)









LIMITED TWO-YEAR WARRANTY

- (1) This Sensor Transmitter is warranted to the original consumer purchaser to be free from defects in material and work manship under normal use for two (2) years 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 at no charge
- (2) This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose.
- (3) This warranty is invalid under following conditions
 - Mechanical or electrical modification(s) are performed to the product or it is otherwise altered manually.
 - Product is already been serviced at place(s) other than the manufacturer.
 - . It is determined that product malfunction has resulted from improper use or from an accident.
 - · A copy of dated sales receipt has not been submitted together with the product to be serviced.



OPTEX OPTEX CO., LTD. (ISO 9001 Certified by LRQA) 4-7-5 Nionohama Otsu, 520-0801 Japan TEL (077) 524-6047 FAX (077) 522-9022

OPTEX INCORPORATED

1845W. 205th Street Torrance, CA 90501-1510 U.S.A. TEL (310) 533-1500 FAX (310) 533-5910

OPTEX (EUROPE) LTD. (ISO 9002 Certified by NQA) Clivemont Road, Cordwalls Park, Maidenhead, Berkshire SL6 7BU U.K. TEL (01628) 631000 FAX (01628) 636311

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