WIRELESS 1000
Annunciator System

OPTEX

RC-10U CHIME BOX W/RELAY
This product is only compatible with Wireless 1000 series.

RC-10U MANUAL

Please read this manual carefully before installation.

FEATURES
- Compatible with TD-10U (In/Outdoor Sensor Transmitter) & TS-10U (Hand-Held Transmitter)
- Identifies zones (locations) by 3 different tones and LED lights
- Preset transmission codes are automatically "learned" by the receiver
- Over 8 million codes possible, eliminates interference from neighbors
- Latches into alarm with "Continuous Mode" option
- Programmable output mode for activation without chime tone
- Adjustable duration for dry relay contact output
- Push button switches to select function settings
- Volume control, low battery indicator
- Powered by a 9VAC adaptor (included)

CAUTION

Please be careful of the following:

1. Outdoor Use
The RC-10U is not suitable for outdoor use.

2. High Temperature, High humidity & Dirty Fumes
- Do not expose the RC-10U to high temperatures, steam, high humidity, dirty fumes or oily smoke.

3. Other Electric Devices
Use the RC-10U at least 3ft (1m) away from devices such as TV, radio, personal computer, microwave oven, refrigerator or any device with electric motors (this may cause malfunction).

4. Transmission range may decrease under following conditions.
- A steel door, steel reinforced concrete, or other metal obstructions between the transmitter and the RC-10U.
- Installing either the transmitter or the RC-10U on a metal surface.
- Places near a strong radio sources such as a broadcast stations or high power lines.

5. Impact/Shock
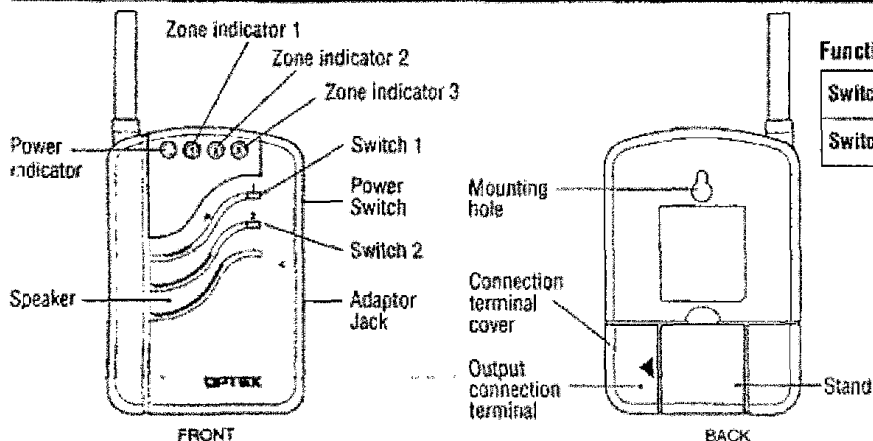Do not drop the RC-10U or give it a strong impact/shock.

6. Tampering
The changes or modifications not expressly approved by the party responsible for compliment could void the user's authority to operate the equipment.
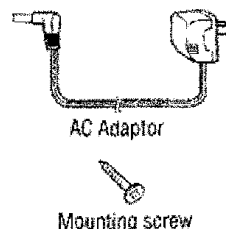
7. Cleaning
Harsh cleaners such as paint remover or benzene may ruin the surface. Use a soft, wet cloth and mild soap or detergent to clean.

PART IDENTIFICATION

Function	
Switch 1	Activating "Learn Mode" and "Output Duration Mode"
Switch 2	Activating "Volume Adjustment Mode" and making selection

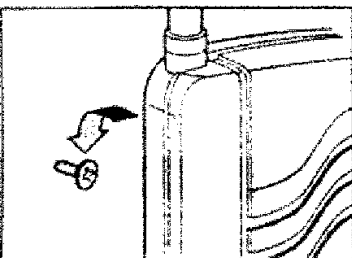FRONT   BACK

MAXIMUM TRANSMISSION RANGE

1000ft. (with TD-10U, open field, line of sight)
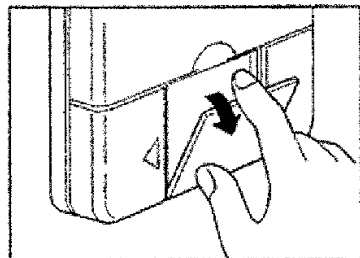700ft. (with TS-10U, open field, line of sight)

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.

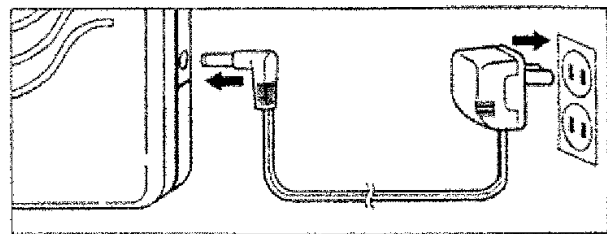|	TD-10U	TS-10U
Stucco/Plaster construction:	150ft	110ft
Reinforced concrete construction:	100ft	70ft

INSTALLATION

Mounting On A Wall
Use the mounting screw on a wall. Leave some length of the screw out for the mounting hole of the RC-10U.

Desk Top
Pull out the stand on the back of the RC-10U and place it on any flat surface.

POWER CONNECTION

Use only the power adaptor supplied with the product.

TEACH TRANSMITTER CODES TO RECEIVER

Each transmitter has a unique transmission code which can be automatically "learned" by the RC-10U. The RC-10U's zones must be taught to respond to the appropriate transmitter. Zone characteristics can be programmed as shown below.
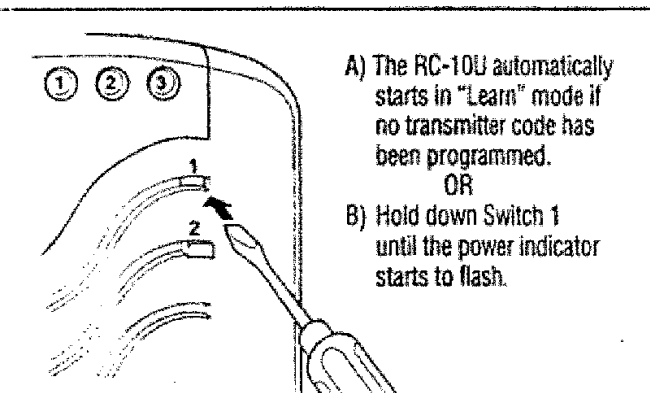
Regular Mode

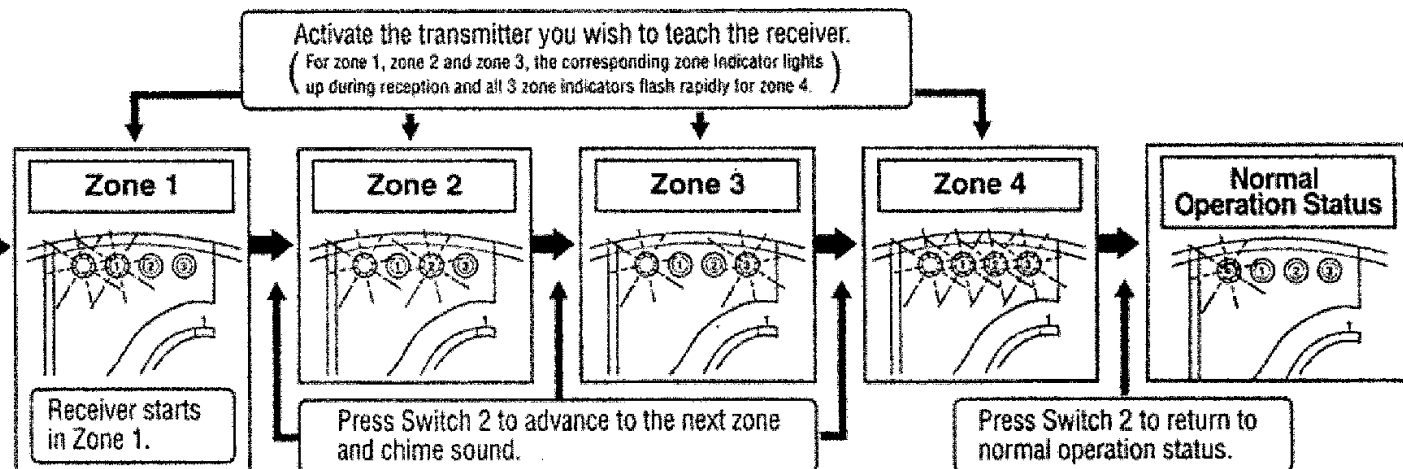| Zone 1:	Chime tone 1 (optional timed utility output)
Zone 2:	Chime tone 2 (optional timed utility output)
Zone 3:	Chime tone 3 (optional timed utility output)
Zone 4:	Continuous tone and terminal output (latches until Switch 2 is pressed to deactivate)

Utility Output Mode

Zone 1:	Chime tone 1 only
Zone 2:	Chime tone 2 only
Zone 3:	Timed relay output only (1 sec)
Zone 4:	Continuous tone and terminal output (latches until Switch 2 is pressed to deactivate)

Teach transmitter code to receiver

Activate "LEARN" Mode

A) The RC-10U automatically starts in "Learn" mode if no transmitter code has been programmed.
OR
B) Hold down Switch 1 until the power indicator starts to flash.

Activate the transmitter you wish to teach the receiver.
(For zone 1, zone 2 and zone 3, the corresponding zone indicator lights up during reception and all 3 zone indicators flash rapidly for zone 4.)

Zone 1

Receiver starts in Zone 1.

Zone 2

Zone 3

Press Switch 2 to advance to the next zone and chime sound.

Zone 4

Normal Operation Status

Press Switch 2 to return to normal operation status.

Note:

- Return to normal operation status before use.
- Verify that each transmitter has been learned by the RC-10U by triggering them.
- Each zone can learn only 1 transmitter. If 2 transmitters are activated during the learning process, the transmitter activated last will override the code of the previous transmitter.
- Single transmitter cannot be learned by multiple zones.
- Turning off the devices, or losing power will not affect transmitter or the RC-10U's code memory.

Erasing Codes from Receiver's Memory

1) Hold down switch 1 until the power indicator starts to flash.
2) Press Switch 2 until appropriate zone indicator is lit.
3) Press Switch 1 (the zone indicator will start to flash).
4) Press Switch 2 few times until the power indicator stops flashing and remains lit.
(Note: To erase all programming and return to factory setting, turn on power while holding down Switch 1.)
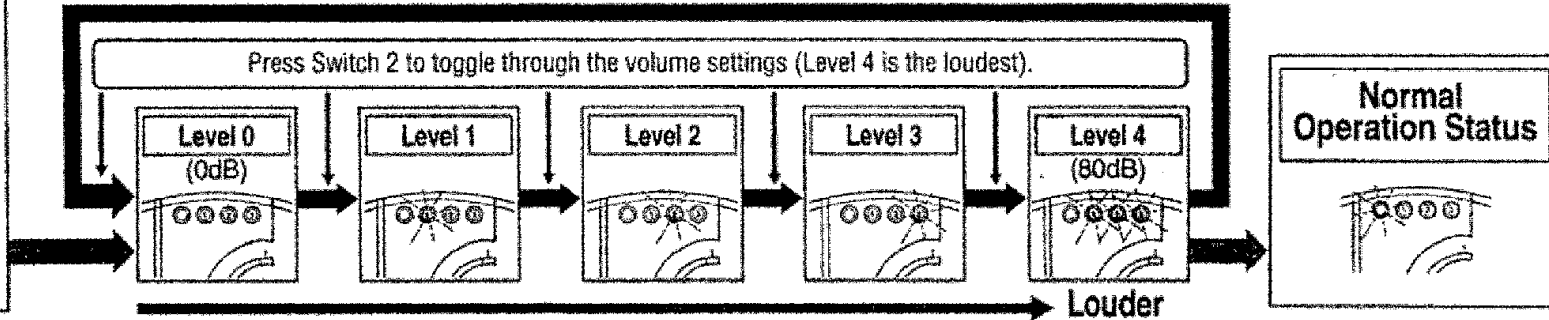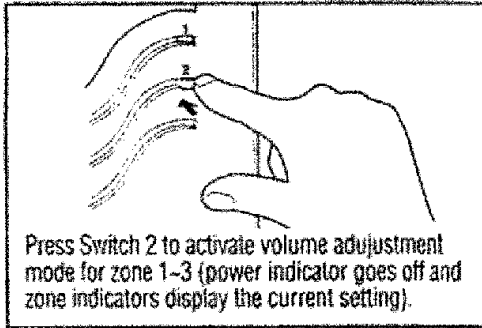
VOLUME ADJUSTMENT

Chime volume for zone 1~3 can only be set as a group. There are 5 volume settings. Chime volume is set to level 3 at the factory.

Adjust Volume

Note: Hold down Switch 2 five seconds for zone 4 (power indicator goes off and zone indicators display the current setting).
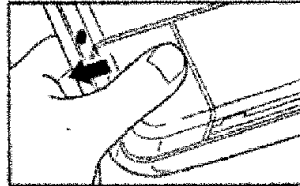
After 5 seconds, the receiver will automatically return to normal operation status (zone indicators will go off and power indicator will remain lit).

Press Switch 2 to activate volume adjustment mode for zone 1~3 (power indicator goes off and zone indicators display the current setting).

Press Switch 2 to toggle through the volume settings (Level 4 is the loudest).

| Level 0 (0dB) | Level 1 | Level 2 | Level 3 | Level 4 (80dB) |

Louder
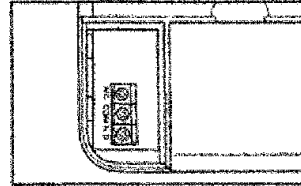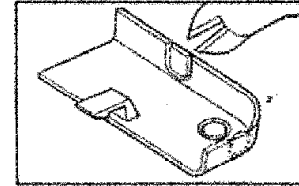
Normal Operation Status

TERMINAL CONNECTION

Any device with a zero voltage input terminal can be connected to this terminal. This may include electronic locks, emergency sounding devices, and automatic reporting equipment.
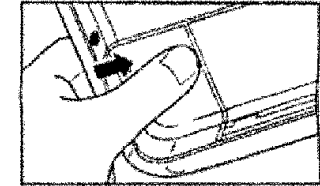
Remove the connection terminal cover

Use the terminal marked "COM-N.O." for N.O. devices and "COM-N.C." for N.C. devices.

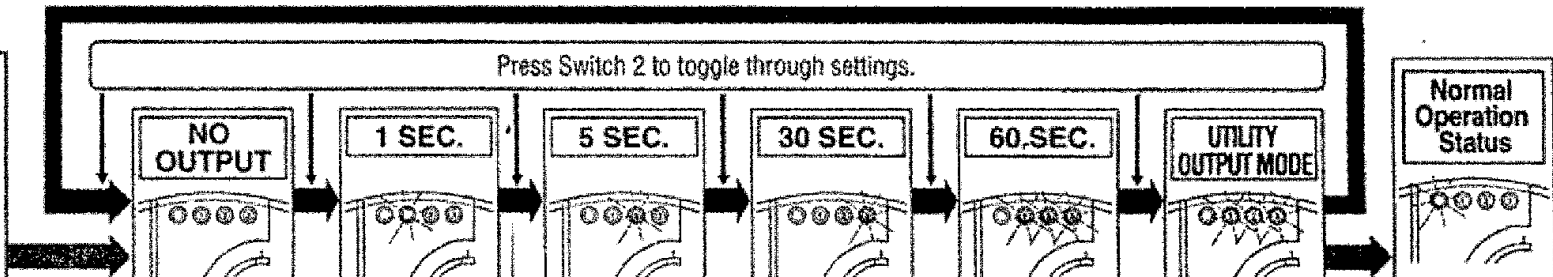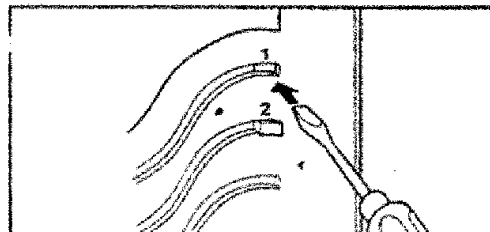Remove knockouts according to wiring needs.

Close the connection terminal cover. The RC-10U may be damaged if the terminals come into contact with metal objects.

ADJUSTING THE TERMINAL OUTPUT DURATION

• In Regular Mode: terminal output duration can be set for zones 1~3 only as a group. Zone 4 always latches until it is reset by pressing Switch 2.

• In Utility Output Mode: terminal output (5 sec) is only for zone 3. Zone 1 and 2 will chime only and zone 4 will latch until it is reset by pressing Switch 2.

• Factory setting is 5 sec.

Ajust Terminal Output Duration

After 5 seconds, the RC-10U will automatically return to normal operation status (zone indicators will go off and power indicator will remain lit).

Press Switch 2 to toggle through settings.

| NO OUTPUT | 1 SEC. | 5 SEC. | 30 SEC. | 60 SEC. | UTILITY OUTPUT MODE |

Normal Operation Status

TROUBLE SHOOTING

1. The system is not operating.

Check the transmitter.

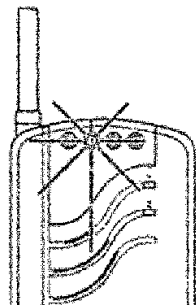|		
Does the status indicator light up when you trigger the transmitter?	→	Check to see if the battery is inserted correctly.
	→	If the battery is old, replace it with a new one.
Is the status indicator of the transmitter flashing?	→	The battery is old. Replace the battery.

Check the receiver.

Is the power indicator of the RC-10U lit?	→	Is the receiver on? Check the wiring and connection.
Have all the transmitter codes have been taught correctly?	→	Teach the transmitter codes correctly. The system will not operate without this process.
Is the volume setting correct?	→	Is the volume set to "0?" If so, readjust the volume.
Are there other high power appliances using the same electrical power outlet?	→	Please conect the RC-10U to a different electrical outlet.
The zone indicator of the RC-10U is on, but nothing happens.	→	Check to see whether the terminal is properly connected to other devices.
Is there anything blocking the transmission?	→	Relocate the RC-10U and/or the transmitter. Metal objects can shorten the effective transmission range.
Are zone indicatros falshing slowly?	→	Follow directions in "LOW BATTERY INDICATION."

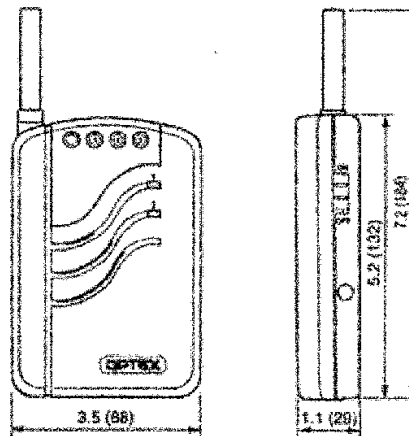## 2. The system is not operating correctly.

The RC-10U does not learn transmitter codes.	→	Check if the transmitter codes is not already "learned" in a different zone. If it is, erase memory and teach again.
The RC-10U gets reception in a wrong zone.	→	Erase memory in the zone the RC-10U responds and teach in the correct zone.
The RC-10U does not respond to some of the transmitters.	→	You may have taught multiple transmitter codes in a same zone. Teach the transmitter code that got no response using an empty zone.
Certain zone seems to malfunction.	→	It is probably the transmitter's problem. Check the transmitter that corresponds to that zone.
Before contacting the supplier!	→	Go through the setups again after Turning on the power while holding down the Switch 1.

LOW BATTERY INDICATION

Zone indicators start flashing whenever corresponding transmitters have low battery. The receiver will sound chime followed by 2 beeps. Slow flashing of indicators will last until 1) batteries of the transmitter are replaced or 2) Switch 2 is pressed. In this case, replace transmitter batteries even if they are less than 2 years old. You can not activate various adjustment modes in this state, unless Switch 2 is pressed (indicators stop flashing). There is no need to go through adjustments again after replacing batteries.

DIMENSIONS

3.5 (88)　　5.2 (132)　7.2 (184)　1.1 (29)

Init: inches (mm)

SPECIFICATIONS

Model	RC-10U
Description	Wireless Receiver
Power Source	DC 9V (Exclusive AC Adaptor) Stanby: 1W Operating: 2W
Chime Tone	3 Tone & Continue Zone (Selectable)
Volume	Adjustable: 0~80dB/ 5 levels Maximum Volume (Continue Zone)
Relay output	Form "C" MAX 1A/50VAC·DC24VAC
Output Timer	Selectable: Off/1/5/30/60sec/ Utility output mode
Status Indicator	Power Indicator: Green Zone Indicator: Red x 3
Frequency	418MHz
Operating Temperature	15°F~104°F(-10°C ~+40°C)
Installation Location	Indoor
Weight	6.0oz (170g)
Accessories	Mounting Screw x 1, AC Adaptor x 1

Specifications may change without notice