

TR-20U INSTALLATION INSTRUCTIONS Please read this manual carefully before installation.

1 CAUTION AND WARNING

WARNING

- 1. Harsh environments
- Do not use the TR-20U outdoors, severe conditions as out of warranted temperature, rapid temperature change, high humidity, or steam. This may cause the unit to malfunction.
- 2. Tampering
- Any changes or modifications not expressly approved by OPTEX could void the user's authority to operate the equipment.
- 3. Adaptor
 - Do not use any other AC adaptor except what is included

FEATURES

Compatible with RC-20U (Chime box W/Relay), TD-20U (Indoor/Outdoor Sensor Transmitter), TS-10U (Hand-Held Transmitter), TC-10U(Door/Window Transmitter) and also compatible with any units of WIRELESS1000 series.

· Identifies the channel (location) by LED lights (4 channels).

- Able to learn 4 transmission codes. Automatic "Learning" function facilitates to preset transmission codes to TR-20U.
- Over 8 million codes possible, eliminates interference from neighbors. • Low battery indicator to recognize transmission units' battery status. • Powered by a 9VDC adaptor(Included).

- CAUTION
- 1. Impact/Shock
- Impact or Shock can cause severe damage or break the TR-20U. 2 Electric Devices

Use TR-20U at least 3ft (1m) away from electronic devices such as TVs, Radios, PCs, Microwave ovens, or any other device with an electric motors. This may cause the unit to malfunction.

- 3. Transmission range
 - Transmission range may decrease under the following conditions:
 - Either transmission units or TR-20U installed on a metal surface.
 - Presence of a steel door, reinforced concrete or other metal obstructions between transmission unit and TR-20U.
- Places near strong radio sources such as broadcast stations or substation. 4. Cleaning
- Harsh cleaners such as paint removers or benzene may ruin the surface. Use a soft wet cloth and mild soap to clean

(3) RECEPTION/ TRANSMISSION (REFERENCE)

(2) PARTS IDENTIFICATION



Note: When you recycle this product, please disassemble product and recycle according to state law

(4) INSTALLATION

Wall Mounting Use the mounting screw on a wall. Leave some length of the screw out for mounting hole of the TR-20U



Desktop

Pull out the stand on the back of the TR-20U and place it on any flat surface.







6 TEACH TRANSMITTER CODES TO TR-20U "LEARN MODE"

Each transmitter has a unique transmitter code which can be automatically learned by TR-20U. The TR-20U's channels must be taught to respond to the appropriate transmitter. (No transmitter is taught on default setting.)



Note:

- Verify that each transmitter has been successfully learned by TR-20U by triggering them
- · Single transmitter cannot be learned by multiple channel.
- TR-20U learned code will keep memorized even if turning OFF the power.

- Erasing codes from TR-20U's memory. 1) Hold down switch 1 until the power indicator starts to flash.
- 2) Press switch 2 until the appropriate channel indicator is lit.
- 3) Press switch 1 to erase. Channel indicator will start to flash.
- Press switch 2 a few times until the power indicator stops flashing and remains lit.

Erasing all codes from TR-20U. (Return to the factory default) To erase all programming, turn on power while holding switch 1.



The receiver must be taught this transmitter code before use. Refer to the receiver's manual for details.



ck the repeater.		
power indicator of the TR-20U lit?	\rightarrow	Is the TR-20U on? Check the wiring and connection.
all the transmitter codes had been at correctly?	\rightarrow	Teach the transmitter codes correctly. The system will not operate without this process.
here other high power appliances using the electrical power outlet?	\rightarrow	Please connect the receiver to a different electrical outlet.
ere anything blocking the transmission?	\rightarrow	Relocate the TR-20U and/or the transmitter. Metal objects can shorten the effective transmission range.
he channel indicators flashing slowly?	\rightarrow	Follow directions in (9) LOW BATTERY INDICATION.

2. The system is not operating correctly.

nemory in the channel in which the RC-20U responds
ch using the correct channel.
probably the transmitter's problem. Check the transmitter responds to that channel.
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12 COMPLIANCE

FCC ID : DC9TR-10U

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The changes or modifications not expressly approved by the OPTEX could void the user's authority to operate the equipment. 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. Note: 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 instruction, may cause harmful interference to radio communication. However, there is no grantee 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.(1)Reorient or relocate the receiving antenna. (2)Increase the separation between the equipment and receiver.(3)Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.(4)Consult the dealer or an experienced radio/TV technician for help.

IC: 4012A-000000TR20U

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. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Q ٩ ب 5.3 (134) 15°F ~ 120°F (-10°C ~ +50°C) Operating Temperature Installation Location Indoor 0 6.0 oz (170g) Weight Accessories Mounting Screw × 1 AC Adaptor x 1 1.1 Specifications may change without notice 3.5 (88) (28)

13 WARRANTY

- 1. This product is warranted under normal use for 1 year from the date of purchase. If the product proves to be defective, return it with a copy of your dated sales receipt for repairs or replacement without charge.
- 2. The warranty is not applicable when below circumstances will be found:
- · 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



OPTEX CO., LTD. (ISO 9001 Certified) (ISO14001 Certified)

5-8-12 Ogoto, Otsu, Shiga, 520-0101 Japan TEL +81(0)77-579-8670 FAX +81(0)77-579-8190 URL http://www.optex.co.ip/e

OPTEX INCORPORATED (USA)

13661 Benson Ave., Bldg.C.Chino, CA 91710 U.S.A. TEL +1-800-966-783 FAX +1-909-628-5560 LOCAL +1-909-993-5770 URL http://www.optexamerica.com/