SAFEGUARD SUPPLY

ERA-UTDCR Wireless Door Chime Kit

INTRODUCTION
The ERA-DCRX is a versatile desktop or wall-mounted receiver that works with all ERA series transmitters. Plug it into any standard wall outlet for operation.

Kit Contents: 1 x ERA-UTX (transmitter) and 1 x ERA-DCRX (receiver)

Key Specifications:
- **Range:** Up to 4,000 ft from compatible transmitters
- **Power:** 100-240V AC, 50/60Hz to 12V DC, 1.0A
- **Frequency:** 433 MHz
- **Zones:** 4 independent zones, each supporting up to 3 transmitters
- **Melodies:** 12 selectable sounds (defaults to "ding-dong")
- **Outputs:** 4 x 12V DC outputs (1 per zone) plus 1 x C-Form relay
- **Relay:** Form C relay assignable to any zone combination
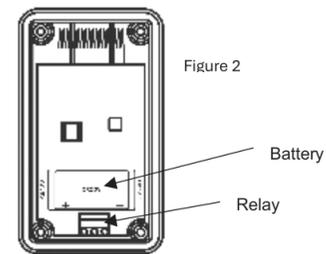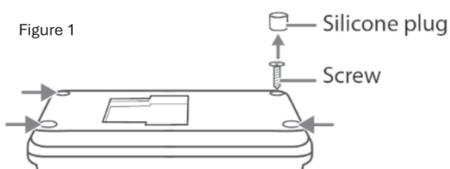
Output Duration Options:
- 5 seconds, 10 seconds, 1 minute, or 2 minutes
- Settings apply to all 12V DC outputs and the C-Form relay

Volume Control:
- 4 different volume levels plus mute and off functions
- LED indicators show current volume level

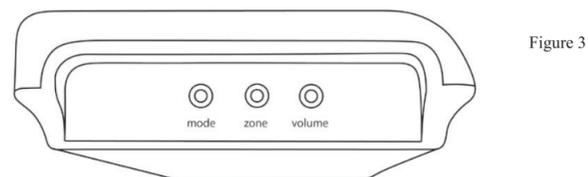### TRANSMITTER BATTERY INSTALLATION

1. Turn the transmitter over so the grey button is face down.
2. Remove the silicone plugs at each corner, then remove the screws (Figure 1).
3. Separate the two halves of the transmitter.
4. Install the included CR-2 battery into the battery compartment (Figure 2).
5. Test the battery by pressing the grey center push button. A red LED should illuminate for approximately 2 seconds.
6. Replace cover, insert and tighten screws, then replace silicone plugs.

Figure 1 — Silicone plug, Screw

Figure 2 — Battery, Relay

PAIRING TRANSMITTER TO RECEIVER: Connect the wireless transmitters to the receiver unit.

For quick setup, each zone defaults to a standard "ding-dong" melody.

1. Ensure the ERA-DCRX is plugged in and the volume is turned up.
2. Hold down the "Mode" button (Figure 3) until you hear a short tone and the LED for "Zone 1" flashes (approximately 3 seconds).
3. If programming the transmitter to zone 1, trigger it by pressing the center button on the ERA-UTX (make sure the battery is installed in the ERA-UTX).
4. You will hear the receiver play a short musical note (zone 1 will continue to flash).
5. To program a transmitter to a different zone, press the "zone" button on the receiver to select the appropriate zone. The zone you want to program will flash. Repeat step 2 above.
6. Once you have programmed all the zones, move to the next step
7. To exit program mode, hold down the "mode" button until you hear a short tone sound (approximately 3 sec).

Figure 3 — mode, zone, volume

CHANGING THE ZONE MELODY: Customize the sound each zone makes when triggered.

Melodies are assigned to zones on the ERA-DCRX.

1. Press and hold the "zone" (Figure 3) button until you hear a short tone, and all LEDs on the front panel of the receiver will illuminate red (approximately 3 seconds). (The zone you are programming will flash.)
2. Press the "volume" button to scroll through the 12 available melodies. Once you find a melody you like, move to step 3.
3. Press the "zone" button to scroll to the next zone & repeat step 2 to program a melody to other zones.
4. Once you have programmed a melody to all necessary zones, move to step 5.
5. Hold down the "zone" button until you hear a short tone (approximately 3 seconds), indicating that the receiver has exited melody programming mode.

VOLUME, MUTE, OFF CONTROLS: Control audio output levels

- When all four zone LED lights are red = maximum volume
- Three zone LED lights = third volume level
- Two zone LED lights = second volume level
- One zone LED light = minimum volume level
- No zone LED lights & red power indicator light = sound is muted
- No LED lights (no zone LED or power indicator) = unit is off. Push the volume again to return it to maximum volume.

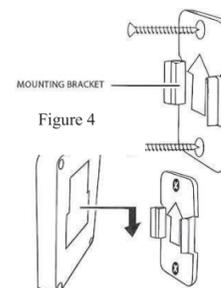### ERASING PROGRAMMING (MEMORY): Clear all programmed settings and start over.

1. Press and hold the "Mode" button until you hear a short tone and the Zone 1 LED flashes. When this happens, release the button.
2. Simultaneously, hold down the "mode" & "volume" buttons until all LEDs stop flashing & you hear a short melody sound (approximately 5 seconds).
3. All LEDs will stop flashing, and only the green LED power indicator will remain on display. The memory is now erased.

MOUNTING THE TRANSMITTER AS A PUSH BUTTON

1. Remove the mounting bracket from the back of the ERA-UTX by sliding it off.
2. Position the bracket at your desired mounting location.
3. Use a drill and the two included screws to secure the bracket to the wall. **IMPORTANT: Ensure the arrow on the mounting bracket points upward** (Figure 4).

4. For outdoor installations, replace the silicone plugs into the screw wells for weather protection.
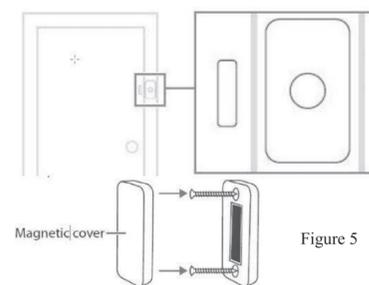5. Slide the transmitter onto the mounted bracket (Figure 4).

Note: The transmitter can be mounted on any wall surface using the included mounting hardware.

Figure 4 — MOUNTING BRACKET

MOUNTING THE TRANSMITTER AS A DOOR CONTACT:
Compatibility: Works on most doors/windows with gaps less than ½ inch.

1. Mount the push button on the door frame using either the provided screws or double-sided tape.
2. Mount the magnet on the door, positioning it within ½ inch of the push button, using the provided screws.
3. Snap the cover onto the magnet case after it has been mounted.

Note: The magnetic contact can be positioned on either side of the push button (Figure 5).

Figure 5 — Magnetic cover

USING 12V DC OUTPUTS: Connect external devices (strobes, lights, etc.) to activate when zones are triggered

- Each zone has a live 12V DC output.
- Output duration can be set to 5 seconds, 10 seconds, 1 minute, or 2 minutes using dip switches (Figure 7).
- Duration settings apply to all zones & the C-Form Relay.
- C-Form Relay can be associated with a specific zone or multiple zones
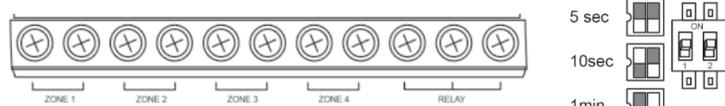- 12V DC output current: 800mA maximum.

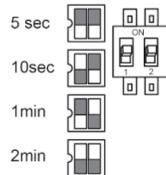ZONE 1   ZONE 2   ZONE 3   ZONE 4   RELAY

Figure 6

5 sec
10sec
1min
2min

Figure 7

CONNECTING A 12V DC DEVICE to the RECEIVER: Wire external devices to the receiver's output terminals

1. **IMPORTANT**: Unplug the receiver.
2. Separate the top receiver case from the bottom receiver case.
3. Locate the terminal block (Figure 6) located on the bottom of the PC board.
4. Loosen the screws for the zone(s) to which you are connecting a device.
5. Wire the external 12V DC into the terminal connection blocks that correspond to the respective zone (Example: if a push button is paired to zone 1, and you want a strobe to flash for zone 1, wire the strobe into the terminal block for zone 1).
6. Observe polarity when necessary (e.g., for a strobe light, ensure you connect the positive wire on the strobe to the positive terminal on the receiver).
7. Re-tighten screws on terminal block.
8. Adjust output duration as needed (Figure 7).
9. Snap the cover back together.
10. **IMPORTANT**: Plug the receiver into the wall outlet.
11. Test by triggering the transmitter.

USING THE C-FORM RELAY ON THE RECEIVER: Control external devices through relay contacts:

- Unplug the receiver.
- Use the C-FORM relay by connecting an external device to the N/O or N/C and the COM terminal screws (Figure 6) labeled "RELAY".
- Associate a zone, or a combination of zones, to the relay using the dip switches (Figure 8.)
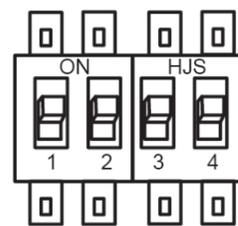- The relay is rated at 12V 3A.
- Plug in the receiver.

ON   HJS
1   2   3   4

Figure 8

LOW BATTERY INDICATOR: When the UTX transmitter battery is low, the system provides two alerts:

- The receiver will play the programmed melody twice in succession.
- The corresponding zone's red LED on the ERA-DCRX will flash continuously for 10 minutes.
- This indicates the transmitter battery needs replacement.

CONNECTING AN EXTERNAL DEVICE TO THE ERA-UTX: The ERA-UTX can be activated by any detector that provides a normally open (N/O) or normally closed (N/C) output.

1. Locate the terminals at the bottom of the case. (Figure 2)
2. Insert the wires through the silicone gasket and make the connection on the terminals.
3. For a normally closed (N/C) connection, connect the wires to· the NC and Common (center) terminals.
4. For a normally open (N/O) connection, connect the wires between the NO and Common (center) terminals.

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TECHNICAL SUPPORT
For assistance with operation or programming after reading this manual, contact us at:

Phone: 904-245-1184
Hours: 8:00 AM - 5:00 PM, Monday - Friday (EST)

We're here to answer your questions and provide support.

Warranty
Safeguard Supply, a LHE, Inc. company, warrants this product to be free of defects in materials and workmanship for a period of one year from the date of purchase. This warranty does not cover damage resulting from accident, abuse, act of God, or improper operation. If this product does become defective, simply return it to Safeguard Supply. Please include a note describing the troubles along with your name and return address as well as the original sales receipt. If the product is covered under the warranty, it will be repaired or replaced at no charge. If it is not covered by the warranty, you will be notified of any charges before work is done.

FCC Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 5mm between the radiator and your body. This transmitter 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.

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

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 or more 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.

Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. DO NOT dispose of used batteries in household trace or incinerate.
- Call a local poison control center for treatment information.
- This product uses a Lithium battery with a nominal voltage of 3V.
- Non-rechargeable batteries are not to be recharged.
- DO NOT force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury do to venting, leakage, or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- DO NOT mix old and new batteries, different brands or types or batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove immediately and recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

WARNING:
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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