

DA Dakota Alert, Inc.

UT-2500 Universal Transmitter

Owner's Manual



Warnings

This device complies with Part 15 of the FCC rules, Operation of this device is subject to the following conditions: 1. This device may not cause harmful interference. 2. This device must accept any interference, including interference that may cause undesired operation.

Introduction

The UT-2500 transmitter is compatible with the DCR-2500 receiver. The UT-2500 has several methods of activation. First, it has a push button that can be used as a panic button or doorbell. The UT-2500 also has terminals for a normally open (N/O) or normally closed (N/C) input. These inputs can be used with any detector contacts. There is also a magnetic contact that can be used for doors or windows. When the transmitter is activated, it will send a signal to the receiver which will sound one of four different tones (Classical, Westminster Chime, Ding Dong, or Whistle) for a few seconds, or activate the relay outputs.

Operation:

(Always test unit prior to installation)

1. Remove the four screws on the back of the case and open to find the battery compartment and dip switches. (Figure 1)
2. Install the CR-2 battery in the holder
3. Set the dip switches 1-8 on the transmitter module to match the receiver.
4. Set dip switches 9 and 10 to control the desired zone, tune, and relay output. (See Coding the transmitter for info on setting the dip switches.)



(Figure 1)

Installing the battery:

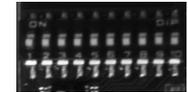
1. Use only a CR-2, 3 Volt Lithium battery.
2. Be sure to observe proper polarity when installing the battery.

LED indicator light in button:

1. The default setting is for the LED indicator to light up for two seconds when the UT-2500 is activated.
2. To deactivate the LED, press and hold the push button while installing the battery.
3. To return to the default LED setting remove the battery and then re-install the battery.

Coding the transmitter:

1. Open the transmitter.
2. Locate the 10 dip switches in the transmitter (Figure 2).
3. The first eight dip switches are for the frequency setting (256 combinations). Set switches 1-8 to match the eight switches in the receiver.
4. Switches 9-10 are for the zone/channel setting on the transmitter. The four zones are as follows:



(Figure 2)

Switch 9	Switch 10	Channel	Tune
On	On	1	Classical
Off	On	2	Westminster
On	Off	3	Ding Dong
Off	Off	4	Whistle

5. After any changes are made to the dip switches, the battery must be disconnected and then reconnected for changes to take effect.

Connecting an exterior detector:

The UT-2500 can be activated by any type of detector which provides a normally open (N/O) or normally closed (N/C) output.

1. Locate the terminals at the bottom of the case. (Figure 3)
2. Insert the wires through the silicone gasket and make the connections on the terminals.

Note: a 22 AWG solid wire can be used to easily pierce the silicone gasket. If using a lighter wire you may need to pierce the gasket with a paper clip or small needle.

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.



TERMINALS

(Figure 3)

Using the magnetic contact:

The magnetic contact can be used on most doors/windows with a gap of less than ½ inch.

1. Mount the push button on the door jam with the screws provided.
2. Mount the magnet on the door (within ½" of the push button) with the screws provided.
3. After mounting the magnet on the door snap the cover on the magnet case.
4. The magnetic contact can be used on either side of the push button. (Figure 4)



(Figure 4)

Using multiple detectors:

If multiple normally closed (N/C) contacts are to be used, they should be run in series to the N/C contacts.

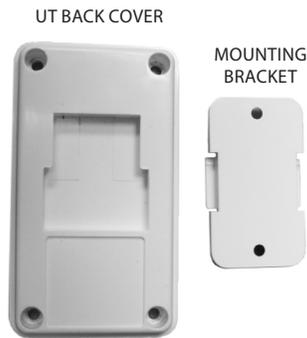
If multiple normally open (N/O) contacts are used, they should be run in parallel to the N/O contacts.

Note: Both N/O and N/C contacts can be used simultaneously along with the magnetic contact and push button.

Mounting the transmitter:

The transmitter can be mounted to any wall using the mounting bracket. (Figure 5)

The mounting bracket is located on the back of the UT-2500 and can be removed by simply sliding it off. Position the bracket where you would like it and place two screws in the holes provided. To place the UT-2500 back simply slide it over the bracket.



(Figure 5)

If mounting the UT-2500 outdoors it is recommended to place the silicone plugs in the screw holes at the back of the case to prevent moisture from entering the case.

Coding the receiver:

1. Open the receiver case by inserting a small screwdriver into one of the pry notches on the side of the case (refer to receiver manual) and gently lift off the front cover.
2. Locate the eight dip switches on the receiver and make sure they are set identically to dip switches 1-8 on the transmitter.
Note: If more than one transmitter is used with the receiver, the first eight dip switches of all transmitters must match the eight dip switches of the receiver.
Note: Whenever a change is made to the time jumper or the dip switches, the receiver must be turned OFF and then back ON to operate properly.

TECHNICAL SUPPORT

If you encounter any difficulty in the operation of this product after reading the manual, please contact us. You can reach us by phone at 605-356-2772 from 8:30 AM to 5:00 PM Monday through Friday (Central Standard Time). We will be happy to answer your questions and help you in any way we can.

WARRANTY

Dakota Alert warrants this product to be free of defects in material 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 Dakota Alert. 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 warranty it will be repaired or replaced at no charge. If it is not covered by warranty, you will be notified of any charges before work is done.

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