FCC ID: G9B-TD433

USERS GUIDE
433 MHz DIGITAL TRANSMITTER and RECEIVER

FCC ID: G9B-TD433
IC: 4680A-TD433
IC: 4680A-RD433

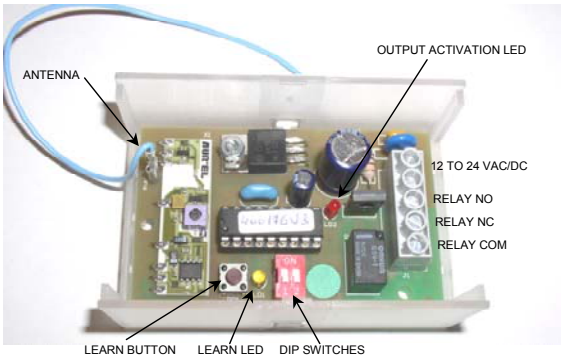
PRODUCT DESCRIPTION

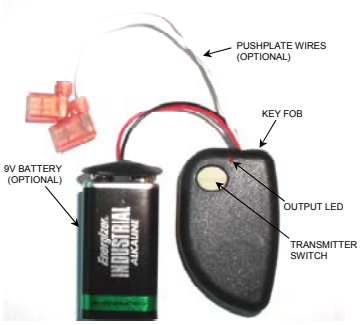
The TD433 series (PN:10TD433, 10TD433PB and 10TD433PB9V) Transmitter and the RD433 (10RD433) Receiver are a miniature pair, ideal for the opening of automatic doors. The transmitter is available in hand-held or pushplate style and transmits a unique rolling code each time the switch is closed to provide a secure door-opening signal. The transmitter is powered by either a 12-volt (type 23A) or a standard 9V battery and a red indicator lights when the transmitter is activated.

SPECIFICATIONS

Description	Specification
Frequency	433 MHz
Emitted Radio Power (transmitter)	-5 dBm
Power Consumption (transmitter)	10mA
Input Voltage (receiver)	12 to 24 VAC/DC
Operating Temperature	14ºF to 131ºF (-10ºC to 55ºC)
LEDs	Yellow LED = Receiver Learn Red LED = Output Activation
Dimensions (L x W x H) Transmitter Receiver	 2 ¼" x 1 3/8" x ½" (56 mm x 36 mm x 14 mm) 3" x 2" x 1" (77mm x 52mm x 27mm)
Certifications	CE, FCC, IC

COMPONENT ID





FCC COMPLIANCE

10RD433: 433MHz Digital Receiver (IC: 4680A-RD433)

10TD433: Hand-Held Digital Keyfob Transmitter, 12V
10TD433PB: Digital Keyfob Transmitter with pushplate wire leads, 12V
10TD433PB9V: Digital Keyfob Transmitter with pushplate wire leads, 9V

} (FCC ID: G9B-TD433) (IC: 4680A-TD433)

The Digital Transmitter and Receiver comply with Part 15 of the FCC rules. Operation is subject to the following two conditions:

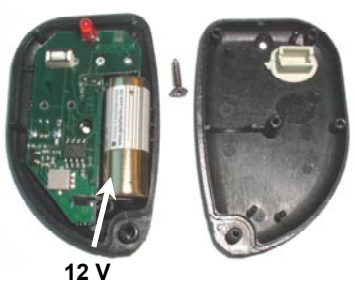
1) This device may not cause harmful interference and;
2) This device must accept any interference received including interference that may cause undesired operations.

Changes or modifications not expressly approved by B.E.A., Inc. for compliance could void the user's authority to operate the equipment.

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 a 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 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.

INSTALLING / REPLACING THE BATTERY (12 Volt Models)



12 V
type A23

1. Remove screw from back of transmitter
2. Separate housing and install a fresh 12-Volt Type 23A battery
3. Reassemble housing and replace screw.

PROGRAMMING

The transmitter may be used as a hand-held device, or may also be used with a push plate if supplied with two pre-attached wires. To program the transmitter to the corresponding receiver, perform the following:

Hand-Held Configuration	For Use With Push Plate
1. On the 433MHz digital receiver, press the brown learn button once (the yellow LED will illuminate). 2. Within 20 seconds, press the button on the transmitter once (the yellow LED on the receiver will extinguish). 3. Press the transmitter button again (the yellow LED will flash for 2 seconds). 4. Press the transmitter button to verify receiver detection (the yellow LED will flash and the red LED will illuminate for the length of time set by the dipswitch).	1. Before beginning, it is easiest to have already prepared the installation of the pushplate. 2. Connect the wires from the transmitter to the NO and COM contacts of the pushplate switch. 3. Follow step 1 from the 'Hand-Held Configuration' setup; depress the pushplate to activate the transmitter. 4. Attach the transmitter to the inside of the electrical box and complete the installation.

RECEIVER DIP SWITCH OPERATION

DIPSWITCH 1	DESCRIPTION	FUNCTION
ON	MOMENTARY PULSE	Press the transmitter once and the relay will be active momentarily
OFF	RATCHET RELAY	Press the transmitter once, and the relay output is active indefinitely, press it again, and it will become passive.

DIPSWITCH 2	DESCRIPTION	FUNCTION
ON	0.5 second Hold time	Relay will remain active 0.5 seconds after the loss of activation
OFF	10 seconds Hold time	Relay will remain active 10 seconds after the loss of activation

SAFETY PRECAUTIONS

- Shut off all power going to the header before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result in unexpected reactions by the door.
- Always check placement of all wiring before powering up to insure that moving door parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards (i.e. ANSI A156.10) upon completion of installation.

COMPANY CONTACT

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call B.E.A., Inc. for further assistance during **Eastern Standard Time at 1-800-523-2462 from 8am - 5pm**.
For after-hours, call East Coast: 1-866-836-1863 or 1-800-407-4545 / Mid-West: 1-888-308-8843 / West Coast: 1-888-419-2564. **DO NOT leave any problem unresolved.** If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made.
NEVER sacrifice the safe operation of the automatic door or gate for an incomplete solution.
Web: www.beasensors.com