

433 MHz DIGITAL TRANSMITTER & RECEIVER

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

USER'S GUIDE

PRODUCT DESCRIPTION

The 433MHz Transmitter and Receiver are a miniature pair, ideal for the opening of automatic doors. The transmitter is available in hand-held or push plate 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.

SAFETY PRECAUTIONS

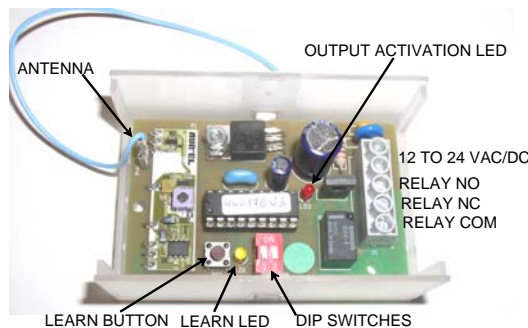


- Shut off all power going to the header before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian traffic around the door area.
- Always stop pedestrian traffic through the doorway when performing tests that may result 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 (example: ANSI A156.19) upon completion of installation.

TECHNICAL 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	14°F to 131°F (-10°C to 55°C)
Max. Number of Transmitters to be programmed to one receiver	10 Transmitters
LEDs	Yellow LED = Receiver Learn Red LED = Output Activation
Dimensions (L x W x H)	
Transmitter	2 1/4" x 1 3/8" x 1/2" (56 mm x 36 mm x 14 mm)
Receiver	3" x 2" x 1" (77mm x 52mm x 27mm)
Certifications	CE, FCC, IC

COMPONENT ID



FCC COMPLIANCE

CL4485: 433MHz Digital Receiver (IC: 4680A-RD433)

CL4488: Hand-Held Digital Key fob Transmitter, 12V

CL4489: Digital Key fob Transmitter with push plate wire leads, 12V

CL4490: Digital Key fob Transmitter with push plate 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 Stanley-PHI for compliance could void the user's authority to operate the equipment.

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FCC COMPLIANCE (CONT)

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.

BATTERY REPLACEMENT



1. Untighten / remove screw from back of transmitter.
2. Separate housing and install a fresh 12-Volt Type 23A battery making sure to observe property polarity as shown above.
3. Reassemble housing and insert / tighten 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

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).

FOR USE WITH PUSH PLATE

1. Before beginning, it is easiest to have already prepared the installation of the push plate.
2. Connect the wires from the transmitter to the NO and COM contacts of the push plate switch.
3. Follow step 1 from the 'Hand-Held Configuration' setup; depress the push plate to activate the transmitter.
4. Attach the transmitter to the inside of the electrical box and complete the installation.

NOTE: A maximum of 10 transmitters may be programmed to one receiver.

NOTE: To erase all codes, press and hold the Learn Code Button for 10 seconds or until the Indicator Light goes out.

RECEIVER DIP SWITCH OPERATION

DIPSWITCH 1	DESCRIPTION	FUNCTION
OFF	Momentary Pulse	Press the transmitter once and the relay will be active momentarily
ON	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
OFF	0.5 second Hold time	Relay will remain active 0.5 seconds after the loss of activation
ON	10 seconds Hold time	Relay will remain active 10 seconds after the loss of activation

COMPANY CONTACT

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please contact:

Stanley Security Solutions, Inc.
 6161 E. 75th Street
 Indianapolis, Indiana, 46250
www.stanleysecuritysolutions.com

NEVER sacrifice the safe operation of the automatic door or gate for an incomplete solution.