



Thank you for choosing a Transmitter Solutions product.
Please read this manual carefully before using the product.
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1A - General Information

The Transmitter Solutions Stingray - 433TSPWxV is a visor transmitter operating at 433.92 MHz in ASK modulation. It has been designed for programmable telephone entry systems, anti-burglar systems and access control systems operating at 433.92 MHz. The code sent by the transmitter includes a 16 bit security code which allows up to 65,536 number combinations and 8 bits of facility code which allows up to 256 facilities.

Each transmitter is individually numbered and can be used with any receiver capable of receiving a 26 bit input. The 23A alkaline battery has a life of about 12-18 months. The product fully complies with Part 15 of FCC Regulations.

1D - Types

STINGRAY 433TSPW1V: 1 button transmitter

STINGRAY 433TSPW2V: 2 button transmitter

2 - NUMBERING

Each transmitter is manufactured and sold with a different factory set sequence number and facility code.

3 - PROGRAMMING

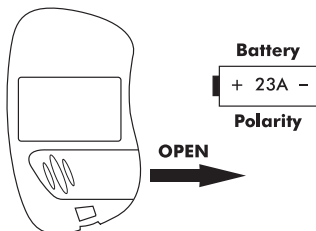
The transmitter facility code and sequence number must be programmed into your system memory. Your own installer or reseller will provide you the necessary instructions for your system.

4 - OPERATION

- a. Firmly depress either button until small red LED illuminates.
- b. After the LED has illuminated, release the button. If the device you are attempting to activate does not respond, repeat steps a. and b. or consult section 6 (Troubleshooting) of this manual.

5 - BATTERY ACCESS

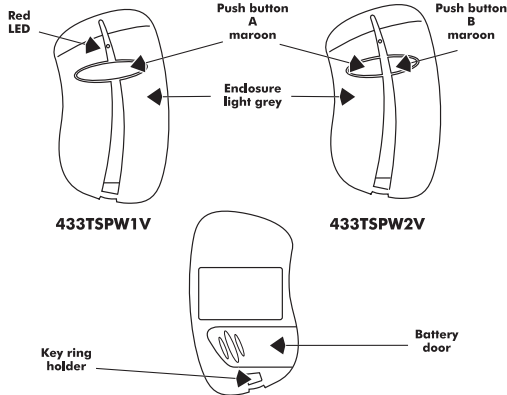
To access the battery slide out the battery door. Place the 23A alkaline battery between the 2 contacts. Respect the correct polarity as indicated on the bottom of the box. NOTE: Please dispose of batteries properly according to local laws and regulations. Test proper battery installation by verifying that the red LED illuminates when either button is pushed.



1B - Technical Specifications

Number of keys:	1 / 2
Supply:	1 Alkaline Battery 12V type 23A
Battery life:	12 - 18 months
Current Consumption:	20mA
Operating frequency:	433.92 MHz
Code combinations:	65,536
Facility Codes:	256
Modulation:	AM / ASK
Rated edp:	50 - 100 mW
Range in free space:	60 - 120 yd
Operating Temperature:	-20°F - 131°F (-20°C - +55°C)
Overall dimensions:	3.26" x 1.88" x 0.62 "
Weight:	1 oz. (20 gr.)

1C - Main Features



6 - TROUBLESHOOTING

PROBLEM	SOLUTION
The system does not receive the transmitter signal. The transmitter LED will not light.	Replace the transmitter battery.
The system does not receive the transmitter signal. The transmitter LED is ON.	Check to ensure the transmitter switches are coded to match your system receiver.
The operating range is reduced.	Replace the transmitter battery.

Transmitter Solutions - Type: 433TSPWxV FCC ID: SU7433TSPWV

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 interference received, including interference that may cause undesired operation.

Notice

Any changes or modification to Transmitter Solutions equipment not expressly approved by Transmitter Solutions could void the manufacturer's warranty.

WARRANTY

The warranty period of Transmitter Solutions 433 transmitters is 24 months, beginning from the manufacturing date of the transmitter. During this period, if the product does not operate correctly, due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions. The warranty does not extend to the transmitter case which can be damaged by conditions outside the control of Transmitter Solutions, or to battery life.



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