

This manual includes operating instructions for a variety of remote controlled products. All products work on the same principle and use the same channel setting information. Please read all instructional information and note any specific information pertaining to your particular product.

WARNINGS:

- **FOR USE ONLY** with 120 volt incandescent or halogen bulbs.
- **DO NOT USE** with fluorescent bulbs, appliances, power supplies, low voltage lighting, or any other electrical devices.

This manual applies to the following products:

- Wall Switch Transmitter
- Wall Switch Receiver

Remote Controlled Products

FEATURES

- Products are UL/cUL and/or FCC/IC tested and approved.
- Operational range of up to 100 feet.

WALL SWITCH TRANSMITTER

Installation

1. Select mounting location for wall switch transmitter.
Note: Transmitter should be located within 100 feet (30 m) of receiver.
2. Before mounting, place transmitter in selected location and verify operation (see *Operation*). *Note:* If transmitter does not operate correctly, see *Troubleshooting Guide*.
3. Mount transmitter to wall using two #8 x 1 3/4" wood screws (provided). Transmitter should be mounted approximately 4 feet from the floor and in the vertical position. Use drywall anchors (provided) if not mounting to wall stud.

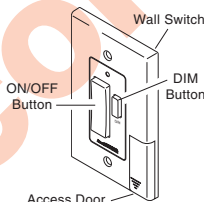
Operation

1. Verify power disconnect switch on wall switch receiver is in ON position. Wall switch transmitter will not operate lights if power disconnect switch is in OFF position.
2. Push the ON (top) button and release. The light should turn on full bright.
3. Push the OFF (bottom) button and release. The light should turn off.
4. Push the DIM button and release. The light should turn on at 50% brightness (or last setting).
5. Continue to press the DIM button until the desired dim level is reached. *Note:* DIM setting remembers last setting used. To recall last DIM setting, push and release the DIM button.

Note: The DIM setting defaults to 50% in the event of a power failure.

Important: Wait 1 to 2 seconds after you press a transmitter button before you press it again to allow the transmission to be completed.

Note: If light does not turn on or intermittently turns on and off when transmitter buttons are pushed, see *Troubleshooting Guide*.

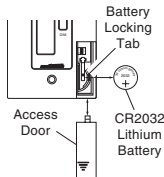


Wall Switch Transmitter

Battery Replacement

The wall switch transmitter requires a type CR2032, 3-volt lithium battery to operate. The transmitter is shipped with the battery installed. With typical use, the battery will last approximately one year. Remove battery when transmitter will not be used for an extended period of time.

1. Place thumb on access door and slide down to open.
2. Carefully bend locking tab outward. Battery will pop up.
3. Remove battery from socket.
4. Install replacement battery in socket plus (+) side up (see illustration). Press down on battery until locking tab snaps into place.
5. Reinstall access door on battery by sliding it upward until it locks in place.



Removing Access Door and Battery



WALL SWITCH RECEIVER

Features and Ratings:

- Rated for 120VAC/60Hz supply voltage.
- Up to 300 Watt maximum incandescent load.
- Not for use with Compact Fluorescent bulbs.
- Up to 100 feet (30 m) typical transmission range.

- Fits standard single gang junction box.

Important: This product can not be used if more than one switch is being used to control the light.

Important: Never install two wall switch receivers within 3 feet (0.9 m) of each other. This may reduce the operating range.

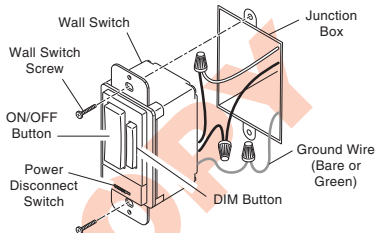
Installation

1. Locate light switch to be replaced by wall switch receiver.
2. **Turn off the power to the light switch circuit before you proceed.** Do this at your circuit breaker or fuse box.
3. Remove the existing wall plate and switch. Disconnect the two power wires and the ground wire.

Note: If there are more than two power wires attached to the switch, consult an electrician about installation. In addition, some local building codes may require installation by a qualified electrician.

4. Connect one of the black power wires from receiver to one of the power wires you removed from the old switch. Use one of the supplied wire connectors to secure the wires (see illustration).
5. Connect the second black power wire from receiver to the other power wire you removed from the old switch. Use one of the supplied wire connectors to secure the wires (see illustration).
6. Connect the green ground wire from receiver to the ground wire removed from old switch. Use one of the supplied wire connectors to secure the wires (see illustration).
7. Check wire connections to make sure they are secure and that no bare wires are exposed.
8. Position the wall switch receiver in the junction box with the DIM button located to the right. Use the two wall switch screws (long) supplied to mount the receiver to the wall box (see illustration). Push excess wiring into wall box while you do this. You may need to bend the wires to fit inside the box. Mount wall plate on wall switch receiver with screws (short) provided.

9. Turn on the power to the light switch circuit. Do this at your circuit breaker or fuse box.



Installing Wall Switch Receiver

Operation

1. Verify the power disconnect switch is in the ON (right side) position.
2. Push the ON (top) button and release. The light should turn on full bright. *Note:* If you are controlling a lamp, make sure it is connected to the switched outlet and the lamp is switched on.
3. Push the OFF (bottom) button and release. The light should turn off.
4. Push either the top or bottom of DIM button and release. The light should turn on at 50% brightness (**or last setting**).
5. Push and release top of DIM button to increase brightness. Push and release bottom of DIM button to decrease brightness. *Note:* There are 5 DIM settings ranging from 15% to 90% brightness.
6. Set desired DIM level. *Note:* DIM setting remembers last setting used. To recall last DIM setting, push and release either the top or bottom of DIM button.

Note: The DIM setting defaults to 50% in the event of a power failure.

Bulb Replacement

Move the power disconnect switch to the OFF (left side) position. Replace bulb(s).

Caution: Do not exceed the maximum load limits listed above.

CHANNEL SETTINGS

Note: Most installations will not require you to change any of the dip switches on your wireless product or remote control.

Note: If purchasing more than one remote control system, select different operating channels unless interaction is desired between the systems.

These remote control products communicate by using channels that can be changed by sliding dip switches into the ON or OFF position on both the transmitter and receiver unit(s). The channel is factory set; however, there are 3 switches (8 selectable channels) that allow you to expand your system and prevent outside interference. Other remote controlled unit(s) may cause interference and the system may not function properly. Follow the instructions below for setting a new channel.

1. Open the cases and locate dip switches on both the transmitter and receiver unit(s).
2. Dip switches 1 through 3 are used for setting the channel (Remote Control Only - position 4 is not used and should remain in OFF position).
3. To change the channel, slide dip switches to ON or OFF as needed. It is recommended to only change one dip switch at a time and then check to see if system is functioning properly.

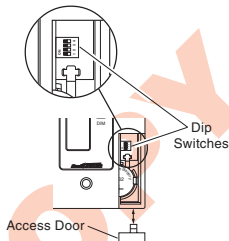
IMPORTANT: Dip switches in positions 1 through 3 must be in the exact same configuration on both the transmitter and receiver unit(s) for this system to function properly.



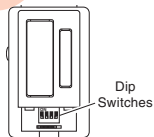
Dip Switches - Shown
in the OFF Position
(Factory Default)

Dip Switches

DIP SWITCH LOCATIONS



Wall Switch Transmitter



Wall Switch Receiver

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Device does not come on.	1. Circuit breaker or fuse is turned off. 2. Switch on device is turned off. 3. Interrupted by another device. 4. Does not respond immediately after installation. 5. Device is defective. 6. Signals from transmitter are being blocked, or transmitter is out of range. 7. Weak battery in the transmitter. 8. Dip switches on transmitter and receiver units do not match.	1. Verify circuit breaker or fuse is turned on. 2. Verify switched device is turned on. 3. Change channels on transmitter and receiver units. 4. Wait for 90 second initialization period (remote motion sensor). 5. Test using different device. 6. Check for metal objects that could block the signal, or reposition the transmitter. 7. Check battery charge and replace if necessary. 8. Verify dip switch settings on transmitter and receiver units are set the same.
Device does not turn off.	1. Same as 6, 7, and 8 above.	1. Same as 6, 7, and 8 above.
Device comes on randomly.	1. Short term power line failure. 2. Another transmitter on the same channel.	1. Short term power line failure. 2. Change channels on transmitter and receiver units.

TECHNICAL SERVICE

(Do Not Send Products)

If you experience a problem, follow this guide. You may also want to visit our Web site at: www.desatech.com. If the problem persists, call* for assistance at **1-800-858-8501**, 7:30 AM to 4:30 PM CST (M-F). You may also write* to:

DESA International, Inc.

P.O. Box 90004, Bowling Green, KY 42102-9004

* If contacting Technical Service, please have the following information available: Model Number, Date of Purchase, and Place of Purchase.

NO SERVICE PARTS AVAILABLE FOR THESE PRODUCTS

REGULATORY INFORMATION

This device complies with Part 15 of the FCC Rules and RSS-210 of Industry Canada. 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.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

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

YOUR HEATH®/ZENITH TWO YEAR LIMITED WARRANTY

This is a "Limited Warranty" which gives you specific legal rights. You may also have other rights which vary from state to state or province to province.

For a period of two years from the date of purchase, any malfunction caused by factory defective parts or workmanship will be corrected at no charge to you. **Light bulbs and Batteries not covered.** To obtain a refund or a replacement, return the product to the place of purchase.

Not Covered - Repair service, adjustment and calibration due to misuse, abuse or negligence, light bulbs and other expendable items are not covered by this warranty. Unauthorized service or modification of the product or of any furnished component will void this warranty in its entirety. This warranty does not include reimbursement for inconvenience, installation, setup time, loss of use, or unauthorized service.

This warranty covers only Heath®/Zenith assembled products and is not extended to other equipment and components that a customer uses in conjunction with our products.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY, REPRESENTATION OR CONDITION OF MERCHANT ABILITY OR THAT THE PRODUCTS ARE FIT FOR ANY PARTICULAR PURPOSE OR USE, AND SPECIFICALLY IN LIEU OF ALL SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

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