Heath/Zenith

Remote Controlled Products

This manual includes operating instructions for a variety of remote controlled products. All products work on the same principle and use the same code 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:
- Transmitters
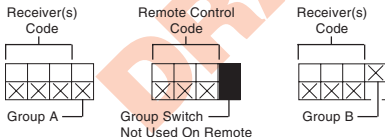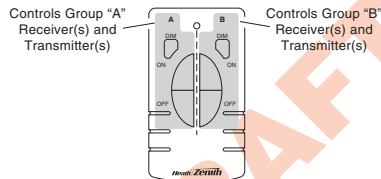 – Remote Control
  – Indoor Wireless Motion Sensor

FEATURES

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

Heath®/Zenith wireless lighting controls are designed to work together. Simply determine which transmitter(s) you would like to have control which receiver(s) and set the code setting to match.
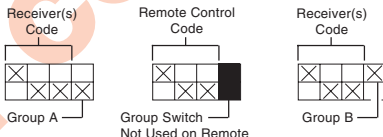
CODE SETTINGS

Note: **Most single system installations will not require any change to the code setting. Transmitter(s) and receiver(s) must have the same code and group setting to work together. Switches 1 through 3 set the code. Switch 4 sets the Group (A or B). See page 2 for switch locations.**

Note: When operating more than one system independently of each other, set each system to a different code. There are 8 codes available by changing the settings of switches 1 through 3.

Example 2 - Code Switch Settings, System 2

When using a single group transmitter (*i.e.* Door Transmitter, Add-A-Switch, Remote Motion Sensor) the code and group settings must match receiver(s) for the system to function properly.
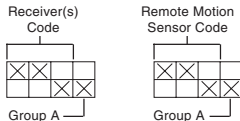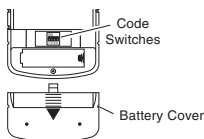

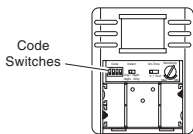*Note:* This setting will work independently of examples 1 and 2 because the code setting is different.

Example 3 - Code Switch Settings with Single Transmitter

Note: The channel can also be changed to reduce interference problems from other wireless products (*i.e.* wireless phones, garage door openers, etc.). See *Troubleshooting Guide* for more information.

Controls Group "A" Receiver(s) and Transmitter(s)

Controls Group "B" Receiver(s) and Transmitter(s)

Receiver(s) Code

Remote Control Code

Receiver(s) Code

Group A

Group Switch Not Used On Remote

Group B

(☒ – Indicates Position of Switch)

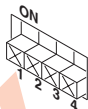*Example 1 - Code Switch Settings, System 1 (Factory Setting)*

CODE SWITCH LOCATIONS

Remote Control

Indoor Wireless Motion Sensor

Note: The "X" has been placed on the switches to help clarify the code settings on the previous page.

Close-Up of Typical Code Switch (Factory Default Setting is Off)

REMOTE CONTROL

Note: One remote control is able to independently operate two receiver units set on the same channel. If more than two receiver units, operating independently, are desired, additional remote controls will need to be purchased.

1. Remove Tab from Battery Chamber. Remove cover from back of transmitter. Gently pull tab out of battery chamber. Slide cover onto transmitter.

Battery Chamber (Type A23)

Tab

Battery Cover
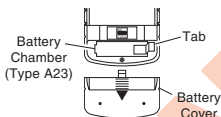
Rear View of Remote Control

2. Remote Control Functions. The three buttons on the left side of the remote will operate one or more receiver units with matching addresses. The three buttons on the right side of the remote will operate a second set of one or more receiver units.

• Device A/B ON: Turns on any receiver unit set to the same channel as this remote control.

• Device A/B OFF: Turns off any receiver unit set to the same channel as this remote control.

• Device A/B DIM: Activates the DIM feature for any receiver unit set to the same channel as this remote control. *Note:* Pressing the DIM button steps through five brightness levels.
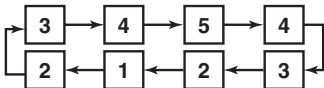
Note: To independently operate a second receiver unit using a single remote control, make sure the 4th dip switch on each receiver is set to a different setting (see *Code Settings* section).

• **Device A** - Slide dip switch 4 to the OFF position on each receiver to be operated by these buttons.

• **Device B** - Slide dip switch 4 to the ON position on each receiver to be operated by these buttons.

Device A DIM
Device A ON
Device A OFF
Device B DIM
Device B ON
Device B OFF
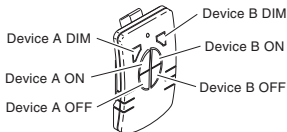
Function Controls

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*.

Optional Car Visor Clip (Included)

The remote control includes an optional car visor clip for added convenience that may be installed.

1. To attach car visor clip to remote control (if desired) push it into slot on rear of remote unit until it snaps into place.
2. To remove car visor clip, insert a small, flat-head screwdriver into slot on back of remote. Gently push down on portion of visor clip inside slot with screwdriver while pulling clip out of remote from top.
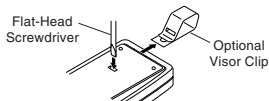

Removing Visor Clip - Rear View

WIRELESS MOTION SENSOR

Features:
- No wiring required.
- Up to 30 feet sensing range, 150° Coverage.
- Adjustable sensitivity.
- Day/Night or Night only operation.
- Test mode.
- Uses 2 AA batteries.
- Wall or ceiling mount.
- Controls receivers up to 100 feet away.

Installing Indoor Motion Sensor

1. Attach ball mounting bracket to rear of motion sensor. The ball mounting bracket is designed to mount to the rear of the sensor in three possible directions depending upon the installation requirements. To attach the ball mounting bracket, follow the steps shown below:
   - Determine the best mounting position of the sensor for the coverage desired.
   - Determine the best location of the wall mounting bracket.
   - Insert the tabs on the ball mounting bracket into the tab slots on the rear of the sensor that best align the sensor with the wall mounting bracket.
   - Remove the batteries.
   - Using a philips-head screwdriver, insert mounting screw into the hole in the battery compartment that aligns with the hole on the rear of the ball mounting bracket. Tighten securely.
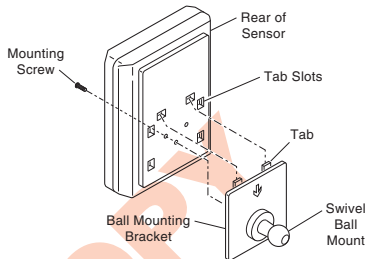
Attaching Ball Mounting Bracket to Indoor Motion Sensor (Vertical Installation Shown)

2. Attach sensor mounting bracket to a sturdy object (*i.e.* wall, ceiling, post, etc.) using two screws provided. Make sure unit has an unobstructed view. *Note:* Attach mounting bracket vertically if connecting to a curved surface such as a post.
3. Install motion sensor to mounting bracket. Using a Philips-head screwdriver, loosen the clamp screw on the mounting bracket. Insert swivel ball mount on sensor into mounting bracket socket (*Note:* You should hear a snap). Aim sensor toward area where detection is desired. Tighten clamp screw.
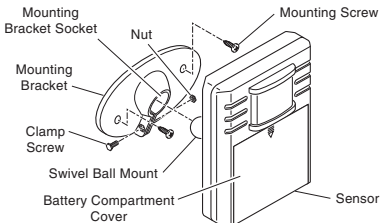
Attaching Indoor Motion Sensor to Mounting Bracket

Installing Batteries

Before mounting sensor, remove front battery compartment cover by sliding the panel down. Install 2 AA batteries according to polarity markings inside the battery compartment. After checking switch settings, replace front battery compartment cover by reversing the above instructions.

Battery Compartment Cover

Battery Compartment
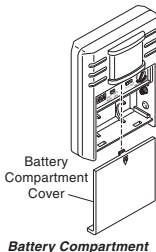
Select Night or 24 Hour Mode

This sensor is able to detect motion day and night or night only. To set the detection mode, remove front battery compartment cover by sliding the panel down. Slide the DETECT switch to either the DAY/NIGHT or NIGHT ONLY position. Replace front battery compartment cover by reversing the above instructions.

Check Operation and Adjustment

Note: When first turned on or when switching modes wait 1 1/2 minutes.

The SENSITIVITY control and ON-TIME control are located inside the battery compartment on the front of the sensor. To set the SENSITIVITY or ON-TIME control, remove front panel by sliding the panel down.

1. Check Operation. Set the ON-TIME control to TEST mode. Walk in front of sensor unit. The LED indicator light inside the plastic sensor lens should flash when motion is detected.
2. Adjust Sensor. Turn the SENSITIVITY control to the mid position and ON-TIME control to the TEST position. Walk through coverage area noting where you are when the LED begins to flash. Loosen the clamp screw and move the sensor to change the coverage area. Tighten clamp screw when finished. Do not overtighten clamp screw.
3. Adjust SENSITIVITY Control. To increase sensitivity, turn the SENSITIVITY control toward MAX. To decrease sensitivity, turn the SENSITIVITY control toward MIN. *Note:* If the SENSITIVITY is set too high, false triggering may result in some environments.
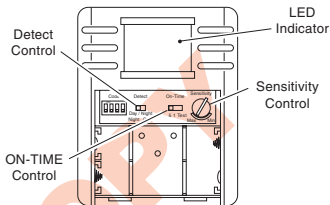   *Note:* When using test mode to check operation in the day time:
   A. Set the DETECT control switch to DAY/NIGHT and
   B. Set the ON-TIME control to TEST.
4. Set ON-TIME Control. Determine the amount of time you want the connected device to stay on after motion is detected (1 or 5 minutes). Slide the ON-TIME control to the corresponding setting.
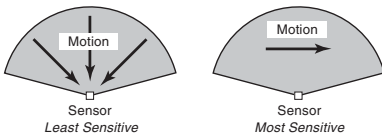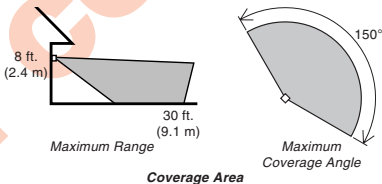
IMPORTANT: Avoid Aiming Control At:
- Objects that change temperature rapidly, such as heating vents and air conditioners. These heat sources could cause false triggering.
- Areas where pets or traffic may trigger the control.
- Nearby large, light colored objects reflecting light may trigger the shut-off feature. Do not point other lights at the sensor.

Detect Control

LED Indicator

Sensitivity Control

ON-TIME Control

Indoor Motion Sensor Controls

8 ft. (2.4 m)

30 ft. (9.1 m)

Maximum Range

150°

Maximum Coverage Angle

Coverage Area

Motion

Sensor

Least Sensitive

Motion

Sensor

Most Sensitive

The detector is most sensitive to motion across its field of view.

Motion Sensor Sensitivity

Aim Sensor Down for Short Coverage

Aim Sensor Higher for Long Coverage

Adjusting Motion Sensor Coverage

598-1116-07

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. Signals from transmitter are being blocked, or transmitter is out of range. 6. Weak battery in the transmitter. 7. Dip switches on transmitter and receiver units do not match. 8. Device is defective.	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. Check for metal objects that could block the signal, or reposition the transmitter. 6. Check battery charge and replace if necessary. 7. Verify dip switch settings on transmitter and receiver units are set the same. 8. Test using different device.
Device does not turn off.	1. Same as 5, 6, and 7 above.	1. Same as 5, 6, and 7 above.
Device comes on randomly.	1. Short term power line failure. 2. Another transmitter on the same channel.	1. Next transmission from transmitter will reset receiver to correct state. 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 Specialty Products™

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

ATTN: Technical Service Specialty Products

* 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.

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. To obtain a refund or a replacement, call 1-800-858-8501 for instructions.

Not Covered - Repair service, adjustment and calibration due to misuse, abuse or negligence, light bulbs, batteries, 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, unauthorized service, or return shipping charges.

This warranty covers only DESA Specialty Products™ 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.

REPAIR OR REPLACEMENT SHALL BE THE SOLE REMEDY OF THE CUSTOMER AND THERE SHALL BE NO LIABILITY ON THE PART OF DESA SPECIALTY PRODUCTS™ FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO ANY LOSS OF BUSINESS OR PROFITS, WHETHER OR NOT FORESEE-ABLE. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Proof of purchase is required for warranty claims.

DESA Specialty Products™ reserves the right to discontinue products and to change specifications at any time without incurring any obligation to incorporate new features in products previously sold.