

Outdoor Wireless Motion Sensor

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.

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.

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

Transmitter(s)/
Receiver(s) Code



Group "A"

Transmitter(s)/
Receiver(s) Code



Group "B"

(X) - Indicates Position of Switch

Example 2 - Code Settings, System 2

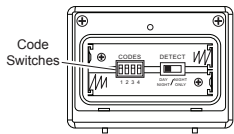
Note: When operating more than one system independently of each other, set each system to a different code. There are 8 codes available by changing the settings of switches 1 through 3.

Transmitter(s)/
Receiver(s) Code

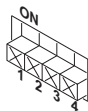


Group "A"

CODE SWITCH LOCATIONS



Outdoor 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)**

INDOOR AND OUTDOOR WIRELESS MOTION SENSOR

Features:



Outdoor Wireless
Motion Sensor

- No wiring required.
- Up to 70 feet sensing range, 180° Coverage (Outdoor).
- Adjustable sensitivity.
- Day/Night or Night only operation.
- Test mode.
- Uses 2 AA batteries.
- Wall or eave mount (Outdoor).
- Controls receivers up to 100 feet away.

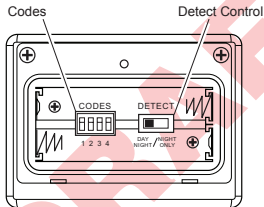
Select Night or 24 Hour Mode

These sensors are able to detect motion day and night or night only. To set the detection mode, remove battery compartment cover by sliding the cover down. Remove batteries if necessary. Slide the DETECT switch to either the DAY/NIGHT or NIGHT ONLY position. Replace battery compartment cover by reversing the above instructions.

Installing Batteries

Note: Before mounting outdoor motion sensor, remove battery compartment cover by sliding the cover down.

Install 2 AA batteries according to polarity markings inside the battery compartment. Replace battery compartment cover by reversing the above instructions.



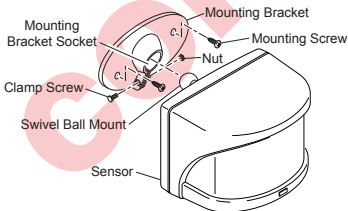
Outdoor Motion Sensor
(Rear View)

Battery Compartment

Installing Outdoor Motion Sensor

1. Install sensor mounting bracket where motion detection is desired. Attach sensor mounting bracket to a sturdy object (i.e. tree, post, house, 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.
2. 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.

IMPORTANT: The sensor must be mounted with the bottom cover facing down in order to maintain water tightness.



Installing Motion Sensor

Check Operation and Adjustment

Note: When first turned on or when switching modes wait 30 seconds.

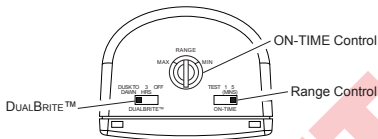
Locate the RANGE control and ON-TIME control on the motion sensor:

- The RANGE control and ON-TIME control are located on the bottom of the sensor. Using your fingernails or a small, flat-head screwdriver, gently pry the cover until it opens.
1. Check Operation. Set the ON-TIME control to TEST mode. Walk in front of sensor unit. The LED indicator light should flash when motion is detected (see illustration, page 8, for location of LED light).
 2. Adjust Sensor. Turn the RANGE 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.

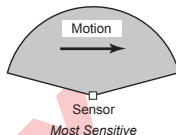
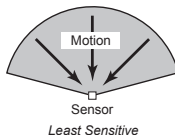
- Adjust RANGE Control. To increase sensitivity, turn the RANGE control toward MAX. To decrease sensitivity, turn the RANGE control toward MIN. *Note:* If the RANGE is set too high, false triggering may result in some environments.
Note: When using test mode to check operation in the day time:
A. Set the DETECT control switch to DAY/NIGHT and
B. Set the ON-TIME control to TEST.
- 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, fans, and air conditioners. These air 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.

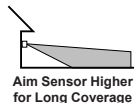
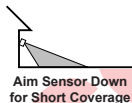


Motion Sensor Controls

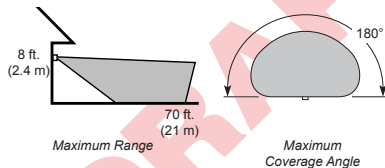


The detector is most sensitive to motion across its field of view.

Motion Sensor Sensitivity



Adjusting Motion Sensor Coverage



Motion Sensor Coverage Area

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	SOLUTION
Device does not come on.	<ol style="list-style-type: none">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.	<ol style="list-style-type: none">1. Verify circuit breaker or fuse is turned on.2. Verify switched device is turned on.3. Change codes 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 code settings on transmitter and receiver units are set the same.8. Test using different device.
Device does not turn off.	<ol style="list-style-type: none">1. Same as 5, 6, and 7 above.	<ol style="list-style-type: none">1. Same as 5, 6, and 7 above.
Device comes on randomly.	<ol style="list-style-type: none">1. Short term power line failure.2. Another transmitter on the same frequency.	<ol style="list-style-type: none">1. Next transmission from transmitter will reset receiver to correct state.2. Change codes on transmitter and receiver units.

TECHNICAL SERVICE

Please call 1-800-858-8501 for assistance before returning product to store.

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™
ATTN: Technical Service Specialty Products
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 this Product

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.

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.

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