

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

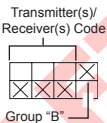
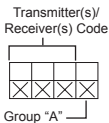
- Products are UL/cUL and/or FCC/IC tested and approved.
- Operational range of up to 100 feet.

Health/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.

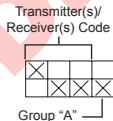
Example 1 - Code Settings, System 1 (Factory Setting)



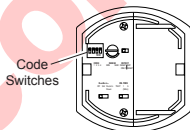
(X) – Indicates Position of Switch

Example 2 - Code Settings, System 2

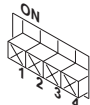
Note: When operating more than one system independently of each other, set each system to a different code. There are 8 codes available by changing the settings of switches 1 through 3.



CODE SWITCH LOCATIONS



Solar Powered 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)

SOLAR POWERED MOTION SENSOR

Features:



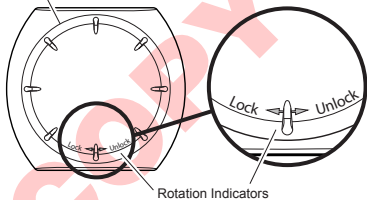
Solar Powered
Motion Sensor

- No wiring required.
- Up to 80 feet sensing range, 360° Coverage.
- Adjustable sensitivity.
- Day/Night or Night only operation.
- Optional half power accent lighting
- Test mode.
- Uses 2 AAA NiMH rechargeable batteries (included).
- Controls receivers up to 100 feet away.

Installing Batteries

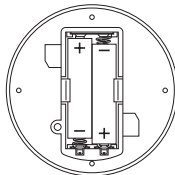
1. Remove battery compartment cover by rotating clear solar panel cover counterclockwise.
2. Install 2 AAA NiMH rechargeable batteries (included) according to polarity markings inside the battery compartment.
3. Replace battery compartment cover by reversing the above instructions.

Clear Solar Panel Cover



Rotation Indicators

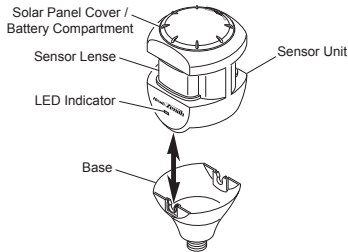
Removing Solar Panel Cover / Battery Compartment - Top View



Solar Panel Cover / Battery Compartment - Bottom View

SETTING CONTROLS

The controls are located on the bottom of the sensor unit. To remove the base, carefully grasp the sensor unit and the base and pull apart. **IMPORTANT:** Be careful not to press against the sensor lenses when grasping the sensor unit.



Removing Base from Sensor Unit

DUALBRITE® Dimmer Control

Light comes on half power for selected time after dusk (Off, 3 hr., until dawn). If motion is sensed, the light turns on full power for the ON-TIME (1 or 5 minutes) then returns to accent mode.

1. Select amount of time for accent lighting (DUALBRITE® control).
2. Select the amount of time light stays on full bright after motion is detected (On-Time control).

Night Only or 24 Hour Mode

This sensor is able to detect motion day and night or night only. Slide the DETECT switch to either the DAY/NIGHT or NIGHT ONLY position.

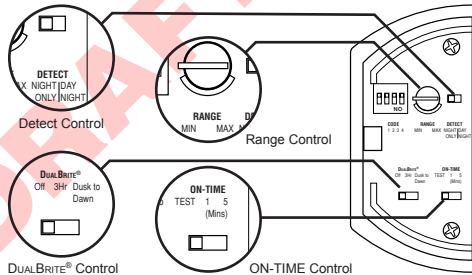
Range Control

Adjust the RANGE to increase or decrease the range as needed. Too much sensitivity may cause false triggering due to heat sources in the coverage area.

The sensor on this light fixture detects "motion" by the movement of heat (body heat) across the coverage area. However, following are examples of objects that also produce heat and can cause the sensor to false trigger:

- Pools of Water
- Air Conditioners
- Dryer Vents
- Fenced-In Animals
- Heating Vents
- Automobile Traffic

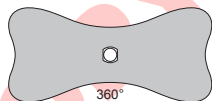
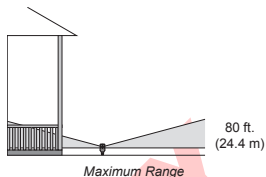
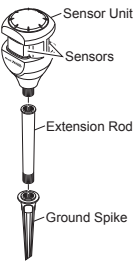
If you suspect that a heat source of this type is falsely triggering the sensor, adjust the RANGE control as needed to avoid false triggering.



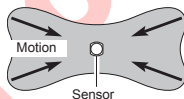
Setting Controls - Bottom View of Sensor Unit

Installing Solar Motion Sensor

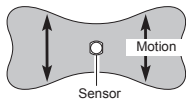
1. Attach the sensor unit to the ground spike. *Note:* If you need to raise the sensor unit an additional 6", use the extension rod.
2. Determine where you want to install the motion sensor. **IMPORTANT:** Place sensor where it will be able to receive 4 to 6 hours of direct sunlight each day.
3. Aim the sensors in the direction of desired coverage. *Note:* The sensors have a greater range directly in front of them than they do to the sides.
4. While holding the ground spike in the direction determined, remove the sensor unit (and extension rod if attached).
5. Place the ground spike on the ground and press into the soil. If necessary, use a rubber mallet to drive the ground spike into the ground.
6. Reattach the sensor unit (and extension rod, if applicable) to the ground spike.



Solar Motion Sensor Coverage Area



Least Sensitive



Most Sensitive

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

Indoor and Outdoor Motion Sensor Sensitivity

Check Operation and Adjustment

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

Note: When using test mode to check operation in the day time, set the DETECT control switch to DAY/NIGHT.

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 4, 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.
3. 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.
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.
5. Make adjustments and snap sensor unit onto base.

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.

TROUBLESHOOTING GUIDE

| SYMPTOM | POSSIBLE CAUSE | SOLUTION |
|------------------------------------|---|--|
| Switched device does not come on. | <ol style="list-style-type: none">1. Circuit breaker or fuse is turned off.2. Switched 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. Switched 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 45 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 switched device. |
| Switched 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. |
| Switched 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.

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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 FORESEEABLE.

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