

# INSTRUCTION GUIDE

## Motion-Activated Security Light HS3620

Congratulations on a wise purchase!

### ENCLOSED YOU WILL FIND:

- Security Light Control
- Wireless Motion Sensor
- Wireless Remote Control
- Screws
- One 12-volt alkaline battery (installed)

### TOOLS NEEDED:

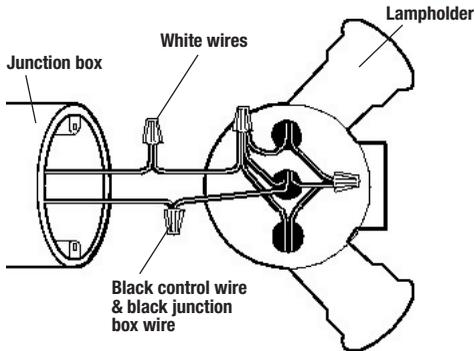
- Phillips screwdriver

### BATTERIES NEEDED (not included):

- Four AA alkaline batteries

### LIGHT CONTROL WIRING

1. Turn off electricity at the circuit breaker or fuse.
2. With gasket in place, connect the white wire from the light control base to the white wire in the electrical box, using the provided wire nut.
3. Connect the black wire from the light control base to the black wire in the electrical box, using the provided wire nut.
4. If a ground wire is present, attach the green ground wire in the electrical box under the head of the green ground screw on the metal light control base.
5. Mount the light control base onto the electrical box. When completed, be sure that the perimeter of the gasket is even to assure a proper seal.
6. Install the PAR lamps (Type PAR38 bulbs, incandescent, 150 watts maximum per lampholder). Aim the PAR lamps as desired. Tighten locknuts and adjustment screws.
7. Turn on the electricity to the outdoor light location. (The floodlights will not come on until the wireless motion sensor is installed.)



8. Use the wireless remote control to test operation.

**Note:** Power must be applied continually to the light control. If a wall switch previously controlled the light control location, this switch must be in the "on" position.

### MOTION SENSOR INSTALLATION

**Note:** The motion sensor can be mounted or set anywhere, indoors or outdoors, at a height of 0 to 10 feet from the ground. For best range and detection, mount at least 6 feet from the ground.

#### For mounting:

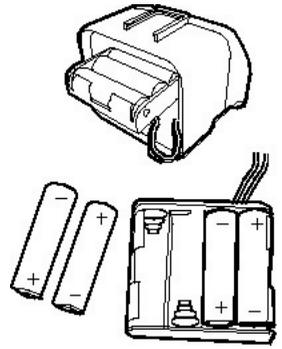
- A. Place adjustable mounting bracket (provided) where desired (such as a post, tree, house) and install top screw into key slot. Then secure the bottom screw.
- B. Slide the motion sensor down onto the bracket. Adjust the motion sensor to the desired angle.

**Note:** To tighten the ball joint, use a Phillips screwdriver to turn the adjustment screw on the bracket.

**Important:** The bottom cover must face downward after installation so that moisture cannot enter.

### SET-UP

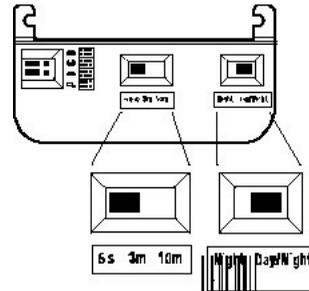
1. Remove the wireless motion sensor bottom cover by pressing inward on the latch.
2. Pull tab to bring out the battery holder and install four AA alkaline batteries. Be sure that the battery (+) and (-) terminals match the (+) and (-) contacts shown in the battery compartment.
3. The day/night switch should be in the day/night mode.
4. The timer (or left) switch should be in the leftmost position (6 s) for test. With the switch in this position, the floodlights will turn off approximately 6 seconds after turning on. This will allow quick testing of the motion sensor with the light control.
5. Replace bottom cover.



### TEST

1. Walk through the coverage area. Note when the floodlights turn on. If the coverage area needs to be changed, adjust the motion sensor for improved coverage. Retighten the ball joint screw.
2. After completing the test, determine the amount of on-time you want for the floodlights to stay on after motion is detected. The timer switch allows the choices of 10 minutes (rightmost switch position) or 3 minutes (center switch position).
3. Also decide if you want the light control to turn on during the day and night when motion is detected or just at night. Set the Detect switch to the left for night only operation and to the right for day/night operation.
4. Close the bottom cover.

### DETECTION ZONE



Motion is detected in a 60' x 140' range which will be over 4396 sq. feet. The mounting bracket can be adjusted to customize the detection zone.

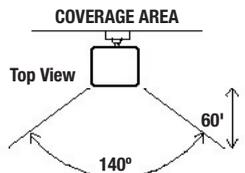
**Note:** As with most motion detection devices, pets or other animals may activate the unit. Also, walking in a straight line towards the motion sensor may reduce operating range. Walking across the detection field provides the maximum operational range.

### REMOTE CONTROL

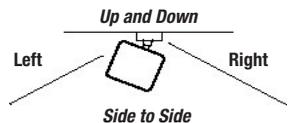
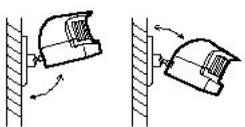
Press the "on" or "off" button to override the system and turn light on or off.

### TO REPLACE REMOTE CONTROL BATTERY

Remove the top screw from the back of the remote control. Lift off the back cover, remove old battery and insert new battery according to the (+, -) placement guides. Replace the back cover along with the screw. The remote control will now be ready to operate.



### MOUNTING BRACKET ADJUSTMENT

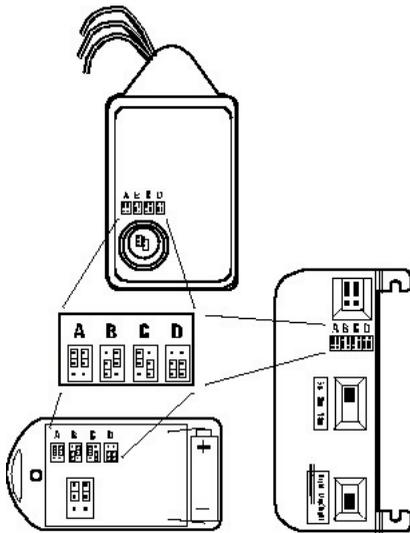


### CHANGING SYSTEM CODE (optional)

The user can change the system code signal if interference occurs with operation. If you use other wireless products in your home, there is a slight possibility of interference. Use the following instructions to change the current system code setting to a new setting.

**Important:** If you change the system code on the motion sensor, you must also change the code on the light control and remote control. If the system code does not match on all items, the system will not function properly!

1. Turn off the power to the floodlights.
2. Unscrew the plug on the front of the light control case.
3. Pull out one of the two jumper shunts (black rectangular piece) and reposition in a different position and note the letter designation for the new jumper configuration.
4. Replace the plug and turn on the power to the light control.
5. Remove the wireless motion sensor bottom cover.
6. Set the two jumper shunts in the same jumper configuration as in the light control.
7. Re-install the motion sensor bottom cover.
8. Remove remote control's back cover.
9. Set the two jumper shunts in the same jumper configuration as in the light control and motion sensor.
10. Replace back cover.



### TROUBLESHOOTING TIPS:

**PROBLEM:** Floodlights do not come on when there is motion in front of motion sensor or when turned on by the remote control.

**SUGGESTION:** Confirm power is on at circuit breaker. Confirm wall switch has been turned on. Confirm if unit works with remote control. Set the motion sensing transmitter On-time switch to the "6 s" setting (leftmost position). Verify that the yellow LED, behind the front lens, turns on when there is motion activity in front of the motion sensor. If the LED does not turn on, check battery polarity or replace the batteries in the motion sensor transmitter. Reset the On-time switch to its original position.

Check that the floodlight assembly and receiver are mounted within 100' of the motion sensor or remote control. Check that the system code is the same in the motion sensor and in the light control. Check that metal objects do not block the motion sensor signal or move the light control.

**PROBLEM:** Floodlights go on and off randomly.

**SUGGESTION:** Change the system code in the motion sensor, light control, and remote control.

### SPECIFICATIONS

#### Motion Sensor

Motion detection range: Up to 60' x 140'

Batteries: 4 AA alkaline

#### Light Control

Maximum Load: 300 watts incandescent total, 150 watts per lampholder

Voltage: 120VAC, 60Hz

Motion sensor also works with HS3605, HW2150D, HW2165D, HW2170D, HW2190, and RC7000D.

### LIMITED WARRANTY

The product you have purchased is guaranteed against defects in workmanship and materials for the period stated on the package. Warranties implied by law are subject to the same time period limitation. Some states do not allow limitations on how long an implied warranty lasts, so this time limitation may not apply to you.

If the product fails due to a manufacturing defect during normal use, return the product and dated sales receipt to the store where purchased for replacement OR send the product and the dated sales receipt to:

**Lamson & Sessions**  
25701 Science Park Drive  
Cleveland, OH 44122 USA  
Attn: LHP Customer Service

**Not Covered** - Batteries, light bulbs, and other expendable items are not covered by this warranty. Repair service, adjustment and calibration due to misuse, abuse or negligence are not covered by this warranty. Unauthorized service or modification of the product or of any furnished components will void this warranty in its entirety. This warranty does not include reimbursement for inconvenience, installation, set-up time, loss of use, postage, unauthorized service, or other products used in conjunction with, but are not supplied by, Lamson & Sessions.

All requests for replacement must include a **dated sales receipt** (copies accepted). LAMSON & SESSIONS IS NOT LIABLE FOR LOST PROFITS, INDIRECT, SPECIAL, EXEMPLARY, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING WITHOUT LIMITATION ANY SUCH DAMAGES DUE TO IMPROPER WIRING OR MISUSE OF THE PRODUCT. As some states do not allow the exclusion or limitation of incidental or consequential damages, the above limitation and exclusion may not apply to you.

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 any interference received, including interference that may cause undesired operation.

This device complies with RSS-210 of Industry Canada.

### ALSO AVAILABLE FROM CARLON:

- Extend-A-Chime® – lets you hear your existing wired doorbell in remote areas of your home or yard
- Plug-in and Battery Doorbells and Chimes
- On/Off Remote Switches
- Touch and Automatic Lighting Controls

**This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If you have questions or need further assistance, please call Lamson & Sessions at: 1-800-346-2646 Mon. - Fri., 9 a.m.-4 p.m. EST**

# Carlon®

25701 Science Park Drive  
Cleveland, Ohio 44122  
www.lamson-sessions.com

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