Manuals+ — User Manuals Simplified.

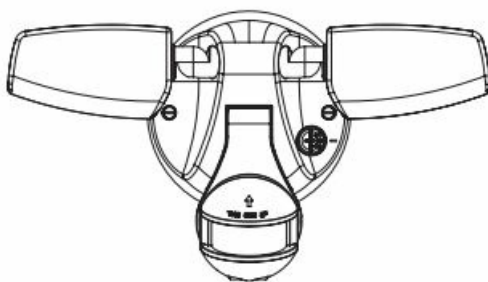# HALO MST18VCB Security Motion Twin Head Flood Light Instruction Manual

Contents

HALO

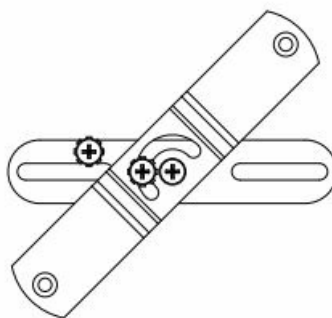**HALO MST18VCB Security Motion Twin Head Flood Light**
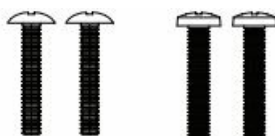
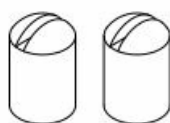## PACKAGING CONTENTS

- A. Light fixture

- B Mounting bracket

- (2) #6-32 x 3/4 in. and (2) #8-32 x 3/4 in. junction box screws (use the size that fits your junction box)

- (2) Decorative cap nuts

- (3) Wire nuts

ITEMS REQUIRED
(Purchase separately)

- Phillips screwdriver
- Outdoor weatherproof silicone caulking

IMPORTANT SAFETY INSTRUCTIONS

When using the product, basic precautions should always be followed, including the following:

- Heed all warnings, including the below warnings AND those included on product.
- Save these instructions and warnings.
- For outdoor use only.
- cULus LISTED for wet location.
- Disassembling your fixture will void the warranty.
- Your fixture is prewired and preassembled for easy installation.

WARNING

- Read and follow these instructions.
- Risk of fire/electric shock. If not qualified, consult an electrician.
- Disconnect power at fuse or circuit breaker before installing or servicing.

CAUTION

- Connect the fixture to a 120-volt, 60 Hz power source. Any other connection voids the warranty.
- Fixture should be installed by persons with experience in household wiring or by a qualified electrician. The electrical system, and the method of electrically connecting the fixture to it, must be under the National Electrical Code and local building codes.
- A fixture designed for wall or eave mounts to a junction box only. Mount the fixture to a grounded, recessed-mounted standard junction box marked for use in wet locations.
- Do not mount below 5 feet.
- 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.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.

SAVE THESE INSTRUCTIONS.

FOR BEST RESULTS

- Install the motion sensor/transmitter 8-12 feet above the ground. (Motion sensor is less sensitive above 12 feet.)
- Locate the motion sensor so motion moves across the detection zone (Fig. 1).
- Locate the sensor away from heat-producing sources to prevent false triggering. Also be very careful not to include objects such as windows, white walls and water in the detection zone.
- Locate the sensor away from moving objects such as trees, large shrubs and street traffic.
- Do not install more than one motion-activated floodlight on one wall switch.

Wall mount
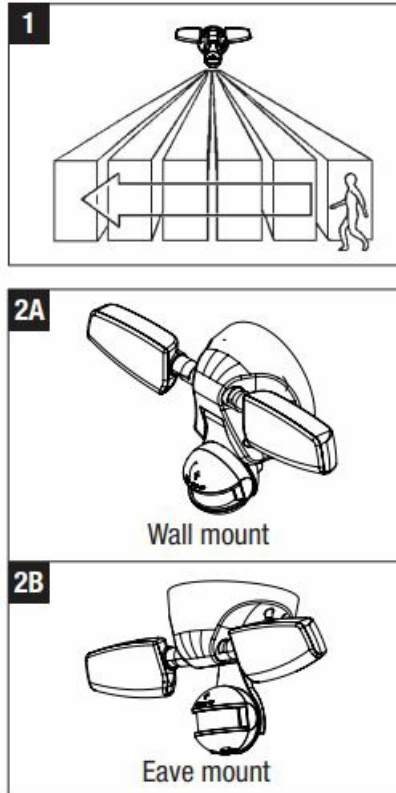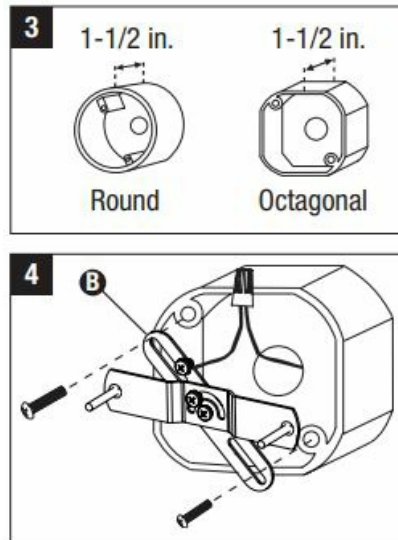
Eave mount

MOUNTING AND WIRING YOUR FIXTURE

WARNING: Risk of electric shock. Disconnect power at fuse or circuit breaker before installing or servicing.

NOTE: The fixture can be wall or eave-mounted (Fig. 2).

NOTE: Coverplate mounts to recessed mounted standard junction boxes (Fig. 3). Junction box must be at least 1-1/2 inch in depth for proper installation for recessed mount application.

1. Line up the slotted holes on the mounting bracket (B) with the holes on your junction box. Using either (2) #6 screws or (2) #8 screws (D) (depending on size of the holes in your junction box), attach the mounting bracket (B) to your junction box (Fig. 4).
2. Connect house ground wire to mounting bracket ground wire using a wire nut (E) provided (Fig. 4).
3. Connect fixture black wire to house black wire, and fixture white wire to house white wire, using the wire nuts (E) provided (Fig. 5).
4. Level and secure the mounting bracket arm by tightening the rotation clamp screws and attach fixture (A) to the mounting bracket (B) using (2) decorative cap nuts (D). Be sure no loose wires remain sticking out from underneath the coverplate (Fig. 5).

5. Move the heads to aim light where desired.
6. Apply silicone caulk around the edge of the coverplate to provide a watertight seal from rain and moisture.
7. Turn on the power at the main fuse/breaker box.

OPERATING YOUR FIXTURE

1. For wall mount, rotate the motion sensor ball up or down to the desired detection pattern (Fig. 2A). For eave mount, extend the motion arm away from the coverplate and adjust to desired detection pattern (Fig. 2B).
2. Rotate the TIME knob on bottom of the sensor to "TEST" (Fig. 6).
3. Turn on the power to the fixture. Allow the fixture to warm up approximately 50 seconds before testing. (Lights will come on during the warm-up period.)
4. Aim the sensor head toward the desired detection area, maintaining a 5°–15° down angle to allow moisture to drain.
5. Walk across the detection zone at the farthest distance you wish your detector to detect motion.
6. Adjust sensitivity knob until you get desired results. Lights will turn off 4 seconds after all motion stops.
    NOTE: For maximum range performance, allow the fixture to operate in any mode (with power to the unit) for at least 48 hours.
7. To set the ON time, rotate the knob arrow to point to the desired time setting within the TIME range (up to 12 minutes) (Fig. 7).
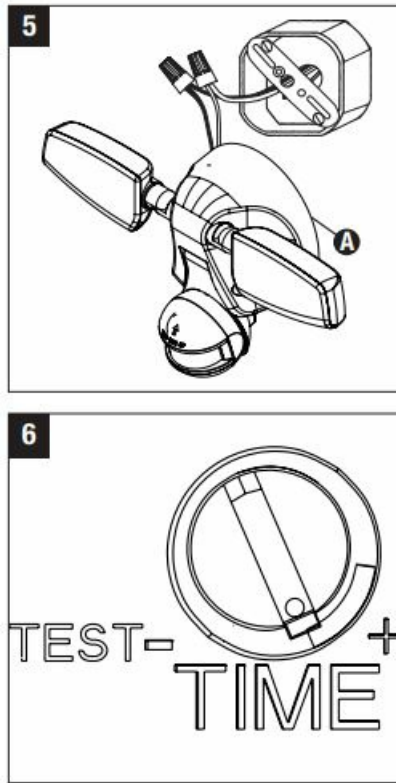
ADJUSTING THE COLOR TEMPERATURE (CCT)

- This product features selectable white colour tuning. Choose between three preset light colours on the centre dial of the base housing before, during or after installation (fig. 8):
- These settings are designated by the abbreviations located on the centre dial on the base housing(fig. 8):
    - 3K = 3000K CCT, or soft white
    - 4K = 4000K CCT, or neutral white [factory default]
    - 5K = 5000K CCT, or daylight
- Use a flathead or Phillips head screwdriver to rotate the dial so the arrow points toward the desired setting.
- DO NOT USE a power tool or over-rotate the dial.

SELECTING YOUR DESIRED FEATURE

Mode of Operation	TIME Knob Adjustment	How to Set Power Switch
Auto Setting (motion activated) Lights should turn ON with motion only at night and should turn OFF according to the TIME dial setting.	Knob arrow points to desired time setting within TIME range.	Turn the power to the fixture ON.
Dusk to Dawn Setting (activated only at night) Lights should turn ON for 6 hours at dusk and then reset to the Auto Setting.	Knob arrow points to desired time setting within TIME range.	Turn the power OFF and ON twice within 3 seconds.
Test Setting Lights should turn ON with motion both day and night. Lights should turn OFF after 4 seconds.	TEST	Turn the power to the fixture ON.
Return to Auto Setting (motion activated) From any of the above settings	Knob arrow points to desired time setting within TIME range.	Turn the power OFF for at least 40 seconds and then back ON.

TROUBLESHOOTING

Problem	Cause / Solution
Light does not come ON with motion at night.	No power to the fixture. • Check if circuit breaker tripped. • Confirm wall switch is ON. The surrounding external ambient light is too bright. (If so, the unit may think it is daytime.) • Adjust the sensitivity knob. • Re-aim the head. • Relocate or reposition the unit away from the light. **TURN OFF THE POWER BEFORE CONTINUING** The wiring to the unit is loose. • Check wiring; reconnect if necessary using wire nuts (E) provided.

Light comes ON for no apparent reason at night.	There is motion in the detection zone. • Make sure the sensor is not picking up moving objects such as trees, traffic, etc. **TEST FOR YOURSELF:** • Cover the sensor lens with cardboard to prevent sensor from detecting motion. If the light stays off, something in the detection zone is triggering the sensor. * If the light stays on with the sensor lens covered, contact customer service. • Adjust the sensitivity knob. • Reposition the sensor.

Light stays ON at night and does not turn OFF. There is motion in the detection zone.

• Make sure the sensor is not picking up moving objects such as trees, traffic, etc.

• Adjust the sensitivity knob.

• Reposition the sensor.

If there is no motion in the detection zone, unit is in "Dusk to Dawn Setting" (override mode).

• Turn the light switch to the OFF position for 40 seconds, and then turn back to the ON position. This will send the unit back into the "Auto" mode.

Light continuously blinks ON and OFF at night.	The light given from the unit's own lamp is affecting the motion sensor. • Re-aim the lamp. • Reposition motion sensor.
Light is ON during the day.	The controls on the bottom of the motion sensor are in "TEST" mode. • Change dial setting (not "TEST" mode). The motion detector is shadowed. • Reposition motion sensor.
Cannot activate Dusk to Dawn Setting at night (override mode).	Surrounding external ambient light is too bright. (If so, the unit may think it is daytime.) • Re-aim the head. • Relocate or reposition the unit away from the light. Not enough time is allowed to enter the "Dusk to Dawn Setting." • Turn power OFF and ON twice within 3 seconds. There is more than one fixture on an indoor wall switch. • If so, put them on separate switches.

5-YEAR LIMITED WARRANTY

THE FOLLOWING WARRANTY IS EXCLUSIVE AND INSTEAD OF ALL OTHER WARRANTIES, WHETHER

EXPRESS, IMPLIED OR STATUTORY INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Cooper Lighting Solutions ("CLS") warrants to customers that, for five years from the date of purchase, CLS products will be free from defects in materials and workmanship. The obligation of CLS under this warranty is expressly limited to the provision of replacement products. This warranty is extended only to the original purchaser of the product. A purchaser's receipt or other proof of date of original purchase is acceptable to CLS. This is required before warranty performance shall be rendered. This warranty does not apply to CLS products that have been altered or repaired that have been subjected to neglect, abuse, misuse or accident (including shipping damages). This warranty does not apply to products not manufactured by CLS that have been supplied, installed, and/or used in conjunction with CLS products. Damage to the product caused by replacement bulbs or corrosion or discoloration of brass components is not covered by this warranty.

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- Name, address and telephone number
- Date and place of purchase
- Catalogue and quantity purchase
- Detailed description of the problem

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Documents / Resources
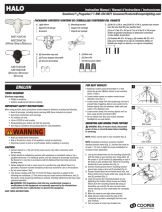
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MST18VCB, MST28VCB, MST18VCB Security Motion Twin Head Flood Light, MST18VCB, Security Motion Twin Head Flood Light, Motion Twin Head Flood Light, Twin Head Flood Light, Head Flood Light, Flood Light, Light

References

- ⟲ **Commercial Lighting Company | Cooper Lighting Solutions**
- **User Manual**