

### Installation Instructions for the Sure-Lites LEM Single and Double Head 6VDC Wet Location Remotes

## IMPORTANT SAFEGUARDS

**WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE OBSERVED INCLUDING THE FOLLOWING**

### 1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS

2. Do not use in hazardous locations, or near gas or electric heaters.
3. Do not let power supply cords touch hot surfaces.
4. Do not use this equipment for other than the intended use.
5. Installation is to be performed only by qualified personnel.
6. Install in accordance with National Electric Code and local regulatory agency requirements.
7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
8. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

### 9. SAVE THESE INSTRUCTIONS

### **⚠ WARNING**

**Risk of Fire/Electric Shock**

If not qualified, consult an electrician.

## CONNECTING REMOTE HEADS

- Step 1** Determine where the remote head(s) will be mounted. Distance from the emergency light will be limited by the size or type of wire used. See Table 1.
- Step 2** The LEM wet remote should be mounted to a standard 4" round weatherproof junction box with the gasket provided. Additional silicone caulk may be required for complete weatherproofing. Use the optional spider plate if needed to mount the remote at the desired angle.
- Step 3** De-energize the circuit at the emergency light driving the remotes.
- Step 4** Connect the purple and yellow wires on the PCB to the wires leading to the remote. Purple is positive(+). Yellow is negative(-). Connect the wires using wire nuts. Maximum wire length will depend on wire gage. See Table 1.
- Step 5** Adjust the heads as needed. The LEM heads utilize a highly directional beam, so the head is adjustable in 3 axes, not the usual 2. (see Fig. 1)

**Table 1**

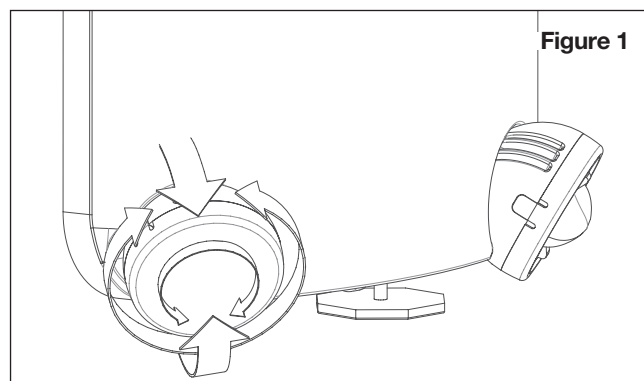
	Maximum Circuit Distance per Head (ft.)			
	1	2	3	4
10 Gage	1001	500.5	333.7	250.3
12 Gage	629.7	314.9	209.9	157.4
14 Gage	396	198	132	99
18 Gage	156.5	78.2	52.2	39.1

## OPERATION

Depress the test switch briefly. The LED heads will light and the charge LED will extinguish. Afterwards, the charge LED will illuminate and the LED heads will turn off.

**MAINTENANCE:** None required.

**NOTE:** Servicing of any parts should be performed by qualified personnel. Only use replacement parts supplied by Cooper Lighting.



**Figure 1**

