



The Smart Light® - SL 1000 with Star Monitor®

INSTALLATION & SAFETY INSTRUCTIONS
For The SL-1000 RV Motion Sensor Light

IMPORTANT SAFETY INFORMATION

- ✓ Disconnect battery before installing or replacing the motion sensor lighting fixture.
- ✓ A person familiar with the installation of 12 Volt lighting products is recommended for the installation of this product.
- ✓ This motion sensor light is designed to be used only with 12 DC power [Automotive type], any modifications of the unit may result in a hazard and will VOID the warranty.
- ✓ The SL-1000 lighting fixture must be installed in accordance with any state and national codes.
- ✓ Please do not attempt to open the Motion sensor back housing as there are no serviceable parts inside and doing so will VOID the warranty.
- ✓ Please read all of the SL-1000 installation instructions before installing fixture.

IMPORTANT NOTES

- Using or attaching other accessories or devices can cause a hazard, can damage the unit and will VOID the warranty.

INSTALLING THE SL-1000

IMPORTANT—DISCONNECT THE BATTERY

- STEP 1:** Remove the old lighting fixture from the RV and clean area of all old sealer, dirt and etc.
STEP 2: Attach the black wire (+) on the SL-1000 fixture to the black wire (+) coming from the RV.
STEP 3: Attach the white wire (-) on the SL-1000 fixture to the white wire (-) coming from the RV.

NOTE

The SL-1000 is reverse polarity protected and if wired wrong will not damage the unit. However, the motion sensing functionality will not work, even though the light can be turned on and off at the switch as with any other porch light. Thus, if you find that the light turns on, but the motion sensors are inoperable and the LED does not blink off and on, than simply switch the connecting wires and re-test and the fixture should work properly.

STEP 4: Remove the FIVE (5) screws that attach the lens on the SL-1000 fixture and save them to reattach the lens in STEP (6). Place a bead of silicone sealant on the backside of the fixture being careful not to **plug the water drain groove at the bottom of the SL1000 fixture**. Use the FOUR (4) screws provided to attach the SL-1000 fixture to the exterior of the RV. In most cases, the previous holes used to mount the old fixture can be reused to mount the SL000.

STEP 5: Adjust the dipswitches as directed below for sensitivity. *Generally, the factory set sensitivity settings are recommended for best operation.* The sensitivity settings can be adjusted from the factory settings by following the instructions below.

IMPORTANT—DIPSWITCH ADJUSTMENT

The dipswitches are located on the circuit board mounted in the electronics compartment of the SL 1000. Once the lens has been removed, access for adjustment is through the opening, with the dipswitches located below the light sensor and above the multicolored LED. Once located, if you look at the switches from bottom to top, they are numbered 1 thru 4 with the ON position on the left. Switches 1&2 control the RIGHT sensor and 3&4 control the LEFT sensor. Taking great care not to touch the circuit board, which would void the warranty, the adjustments are as follows.

		SENSITIVITY SETTINGS			
		FULL	1/2	1/4	1/8
RIGHT	SWITCH # 1.	ON	OFF	ON	OFF
	SWITCH # 2.	ON	ON	OFF	OFF
LEFT	SWITCH # 3.	ON	OFF	ON	OFF
	SWITCH # 4.	ON	ON	OFF	OFF

STEP 6: Replace the lens using the FIVE (5) screws removed in STEP 4, being sure that the O-ring that seals the electronics compartment is located properly on the cover and reconnect the battery.

IMPORTANT NOTE

The SL-1000 was designed to operate in two (2) modes;

Mode 1- Manual Mode

The Manual mode is triggered when switched “ON” by the **off-on switch** located inside the RV. In the manual mode, the daylight sensor will be inoperable and the SL-1000 will work as a standard lighting product with the exception of *Star Monitor*®

Starlights exclusive *Star Monitor*® will monitor the RV’s Battery Voltage Level. When the voltage drops to a predetermined level a **RED** led will blink behind the lens as a warning of a low battery condition. *Star Monitor*® will not turn the SL1000 fixture off in this mode, issues warning only.

Mode 2 – Auto Mode

The Auto mode is triggered by an “ON”-“OFF”-“ON” switching of the **off-on switch** located inside the RV. If the fixture is already powered up in the manual mode switching OFF then ON will trigger the Auto Mode. In the auto mode, the daylight and motion sensors will be operable and the SL-1000 will work as an automatic motion lighting product with the exception of *Star Monitor*® .

Starlights exclusive *Star Monitor*[®] will monitor the RV's Battery Voltage Level. When the voltage drops to a predetermined level a **RED** led will blink behind the lens as a warning of a low battery condition. *Star Monitor*[®] will, in the auto mode, turn the SL1000 fixture off. When the battery rises past a predetermined level, switching the **off-on switch** located inside the RV "ON"-**"OFF"**-**"ON"** will reset and continue operation.

The light will only be triggered on when movement is sensed by any one or both of the two (2) sensors. The SL-1000, when operating in the auto mode will not function when one or both of the overriding features below have been activated;

1. Daylight sensor has activated (*Blinking Blue Light*)
2. When the low voltage sensor has activated. (*Blinking Red Light*)

SL1000 SELF TEST

The SL1000 performs a simple self test on power-up in manual mode. The unit tests the daylight sensor, the voltage level sensor and the two PIR's. If a failure is detected a color [**BLUE** for a daylight failure, **RED** for a power sense failure and **GREEN** if either of the PIR's are not detected] is displayed for one second. A second "white" indicates no failures and the SL1000 will be activated by the microprocessor to turn on in either Manual or Auto Sensing Mode.

LIMITED WARRANTY

This product is warranted free from defects in material and workmanship for a period of one year. If a defect in material or workmanship occurs, call 1-800-883-5444 for instructions on how to have the defective product repaired or replaced free of charge.

LIMITATIONS

- This warranty is extended to the original purchaser of the product.
- This warranty only covers the assembled motion lighting fixture.
- Unauthorized service or modification to this product will void the warranty in its entirety.
- A purchase receipt or other approved proof of purchase is required before warranty service is rendered.
- This warranty is expressly in lieu of all other warranties, expressed or implied, including any warranty, representation or condition of merchantability or that the products are fit for any particular purpose or use, and specifically in lieu of all special, indirect, incidental, or consequential damages (including but not limited to any loss or arising out of any breach of this warranty. Some states or provinces do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply.
- This warranty gives you specific rights, and you may also have other rights that vary from state to state.

NOT COVERED

- Failure of the product as a result of an accident, abuse, negligence, alteration, or faulty installation, or any other failure not relating to faulty material or workmanship.
- Reimbursement for inconvenience, installation, setup, time, loss of use, or unauthorized service

CAUTION: This unit should give many years of service but to avoid damaging the SL1000 lens and sensors, it is advised to not spray the SL1000 with a high-pressure hose or pressure washer.



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Made in China

Patent Pending