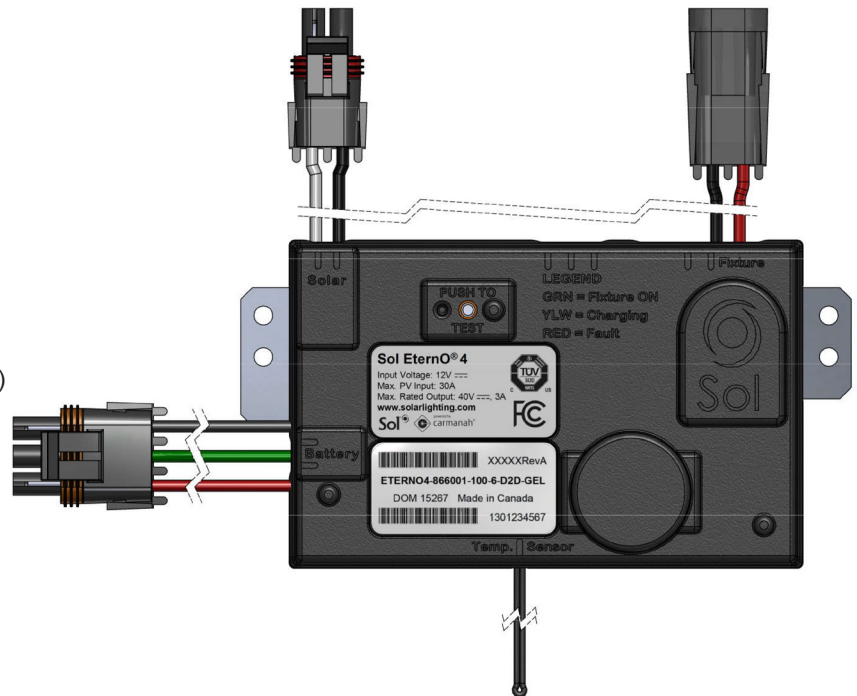


Programmed or custom run modes include:

- Hrs after Dusk: 03, 05, 07, 09 or All Night
- Dimming Percentage: None, 30%,
- Hours Before Dawn: 02, or All Night

FEATURES

- Over voltage protection
- LED short circuit protection
- Internal PV disconnect (no external diodes required)
- Test button & diagnostic LEDs
- Reverse battery polarity protection
- Self calibrating load, timing, and charging circuitry



BENEFITS

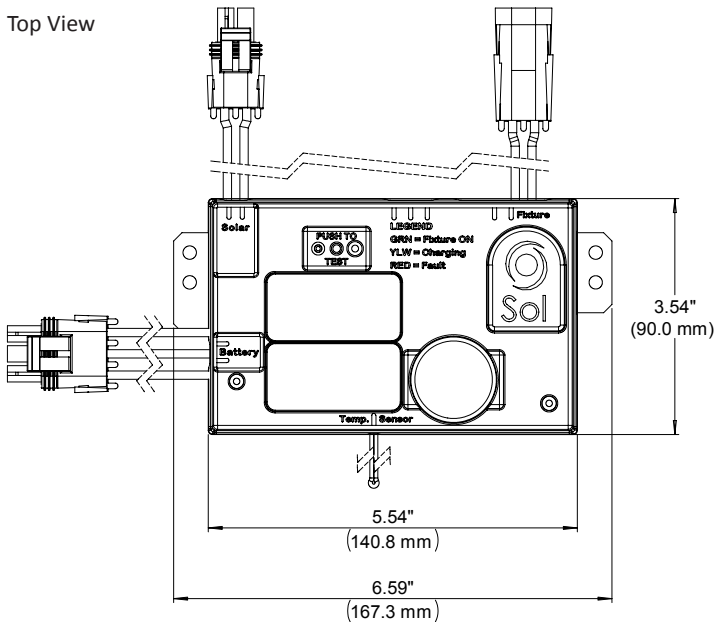
- Flexible operating modes (dusk-to-dawn, split night, split night with dimming)
- Fully tested at the Sol factory before installation and shipment to ensure reliable operation and trouble-free startup
- Programmed by Sol based on your project requirements eliminating confusing switch and knob setting
- Integrated charging and LED driving system reduces system failures overall system complexity and cost
- Integrated surge protection and noise reduction
- Temperature compensated and PWM controlled battery charging to maximize battery life
- High temperature charge compensation to ensure component longevity
- Full solid state design without electrolytic capacitors ensure 5 years of life for no maintenance
- Ten day/night memory averaging to ensure accurate turn on and turn off lights to prevent false response due to weather variations
- TÜV listed to UL 60950-1:2007 and CSA C22.2.60950-1:2007
- Five year warranty



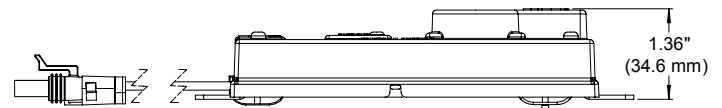
TECHNICAL

FEATURE	VALUE
ELECTRICAL	
Operating Voltage	12V
Operating Current	15A typical, 30A max
LED Drive Current	3.0A max.
Battery Fuse, External	30A max.
Low Voltage Disconnect (LVD)	11.5 VDC
Low Voltage Reconnect (LVR)	>LVD reconnects next night
CHARGING	
Self-consumption	< 20 mA
LED Indicator	3 LEDs
Lamp Drive Voltage	40 VDC Max.
PHYSICAL	
Operating Temperature	-40 to +60 °C (-40 to +140 °F)
Humidity	100% Condensing
Packaging	Resin Potted, IP66
Weight	.453 kg (16 oz.)
Size (L x W x H)	167.3 x 90.0 x 34.6 mm (6.59 x 3.54 x 1.36 in)

Top View



Side View



Specifications subject to local environmental conditions.

Specifications may be subject to change.

US and International patents apply. Other patents pending.

"Carmanah" and "Sol" logo are trademarks of Carmanah Technologies Corp.

All Carmanah products are manufactured in facilities that are certified to ISO quality standards.

Document: SOL_Eterno4_Spec_Sheet_RevB