



LIPPERT
COMPONENTS

SOLERA® RGB LED LIGHTING OPERATION

QR-076

AWNINGS

Purpose

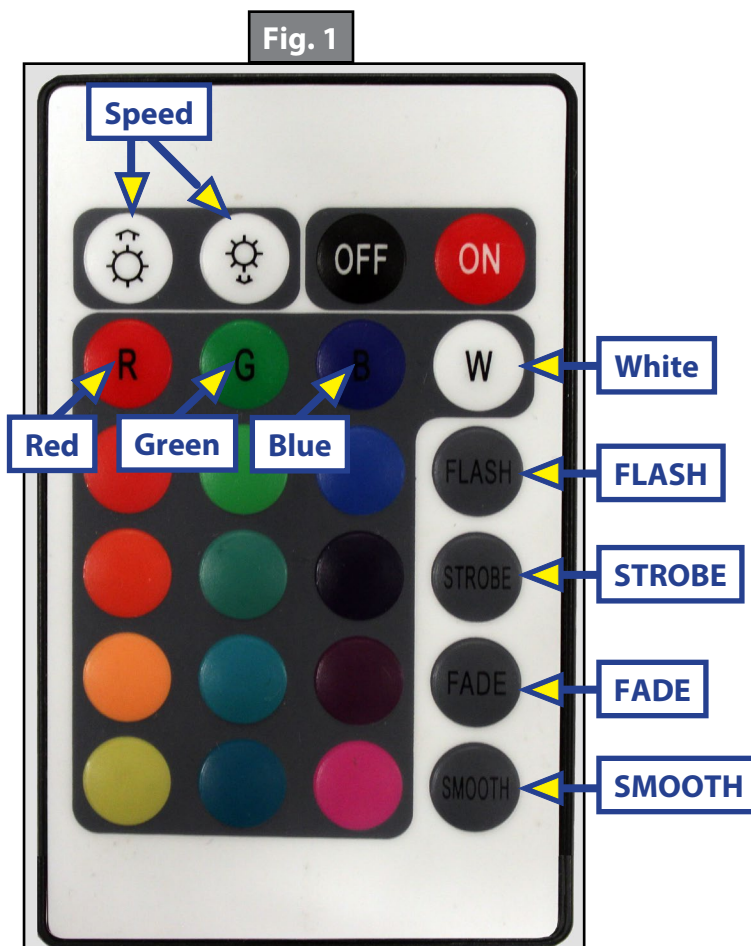
This document outlines the operation and troubleshooting of the RGB LED lighting on Solera awnings. The awning uses a specially-made fabric, called TTL fabric, that has a pocket extending the length of the fabric to contain the wire harness that supplies power to the LED lights on the roll tube. The switch inside the trailer must be turned on before the remote control can be used to operate the lights. The sensor for the remote control, extending through a grommet at the end of the roll tube, must be unobstructed in order to accept a signal from the remote control. About 1.5 to 2 volts is necessary for the lights to operate.

Operation

Refer to Figure 1 for function location.

- If in a specific function or mode, pressing any color will turn the lights solid.
- Pressing a color and then selecting the mode changes the function.
- Pressing any color button or the red ON button stops the STROBE, FLASH and FADE.
- When selecting a speed, it follows through for each function. The speed the lights change can be increased or decreased.

Button	Description
FLASH	When pressing the FLASH button, the lights cycle through the colors while FLASHing. If the FLASH button is pressed a second time, a second FLASH mode is initiated.
STROBE	The lights will STROBE when pressing the STROBE button. The color is set by selecting a color before pressing STROBE.
FADE	The FADE function has just one mode and the color is set by selecting the color before pressing STROBE.
SMOOTH	Pressing SMOOTH scrolls through the red-green-blue colors. A specific color cannot be selected in the SMOOTH mode, but pressing a color button on the remote will turn the lights to a solid color.



AWNINGS

Troubleshooting

Components

There are multiple components to the LED lighting system. These include:

- LED lights in one of two lengths: 15 feet and 20 feet.
- Controller (Figs. 2 and 4) with a sensor for the remote control seated in a grommet on the roll tube. The sensor's translucent dome-like side (Fig. 3) must be installed facing out. The four-pin connectors can be wrapped with electrical tape to prevent the connections from coming loose.
- NOTE:** When fastening the four-pin connectors, make sure the arrows on the ends of the connectors are aligned.
- 24-key remote control (Fig. 1). A plastic tab inside the remote control between the battery and contact points must be removed before it can be used.
- Wire harness (Fig. 5) that connects to the LED lights, runs along the front edge of the fabric and is hardwired into the trailer.

Fig. 2 - Cutaway view of roll tube

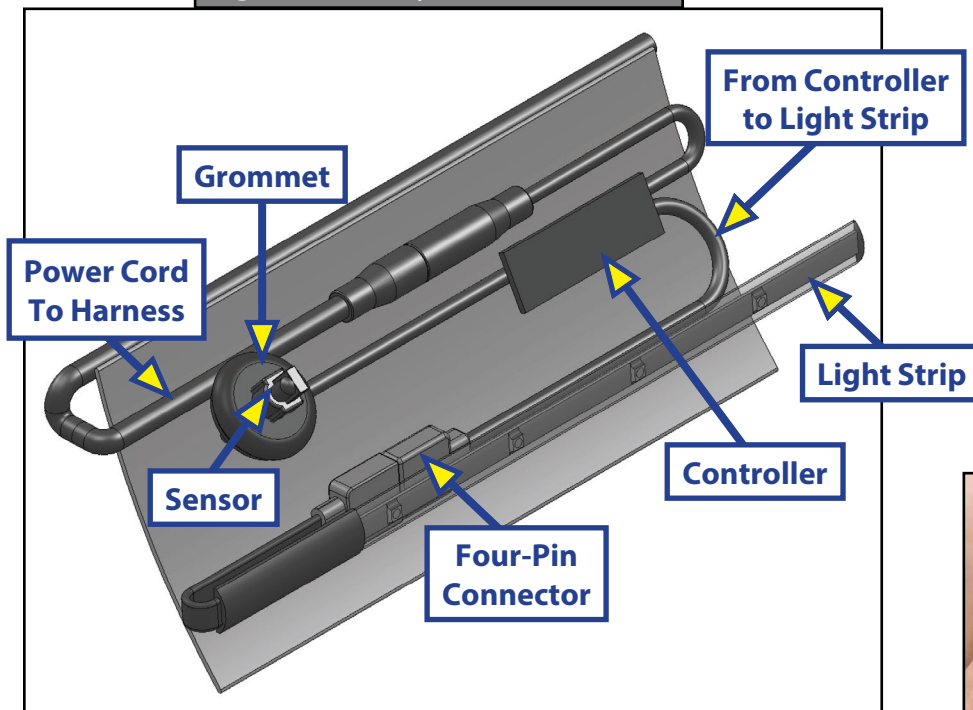


Fig. 3

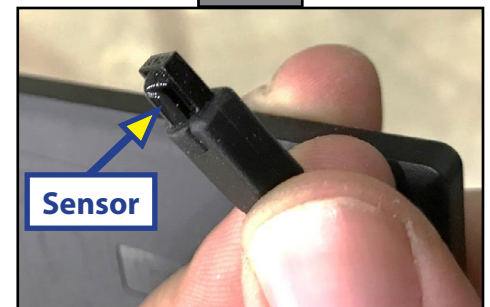


Fig. 5

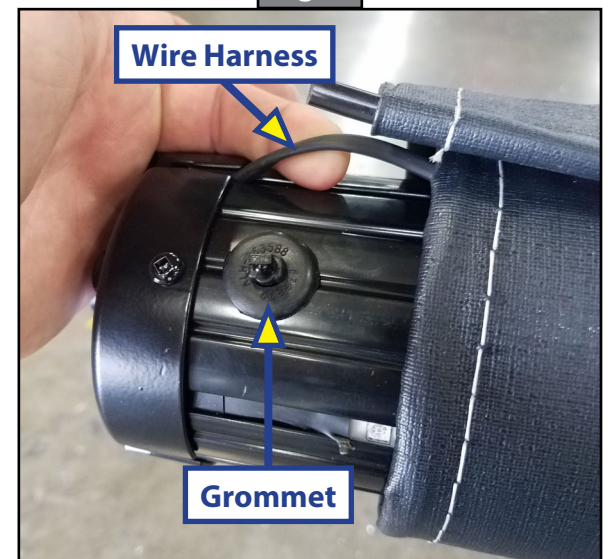
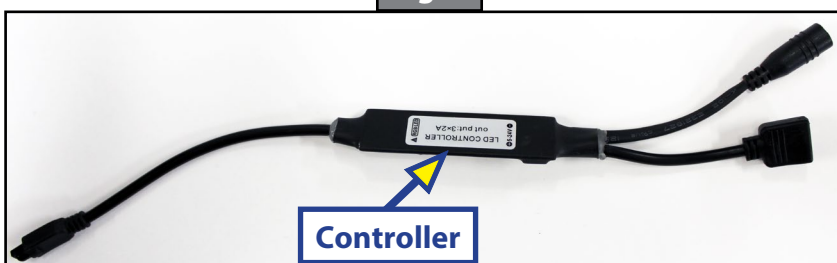


Fig. 4





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Troubleshooting Table

What is Happening	Why?	What Should Be Done?
Remote control won't work.	Plastic tab in place.	Open remote control and remove plastic tab between the battery and the contacts. Press ON button to determine if infrared light is working.
	Bad controller.	Open the roll tube at the drive head end and switch out the controller.
	Connections loose.	Open roll tube and secure four-pin connectors with electrical tape. Make sure the arrows on the ends of the four-pin connectors are aligned.
	Bad batteries.	Open remote control and replace batteries. Test by pressing ON button to determine if infrared light on the end of the remote is working.
	Too far from sensor.	Move closer to sensor before operating remote control. A maximum distance of 8 feet is suggested.
	Sensor obstructed.	Make sure sensor is installed correctly, with the translucent dome-like side of the sensor outside of the grommet on the roll tube.

As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at (574) 537-8900 or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lci1.com or by downloading the MyLCI app.



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