

Installation Instructions

RM4 LED Signals Rail – 92 Series / Wayside Colorlight



BEFORE YOU BEGIN

Read these instructions completely and carefully.

Prepare Electrical Wiring



Electrical Requirements

- Do not use in wet locations
- Follow all National Electric Codes (NEC) and local codes.



WARNING / AVERTISSEMENT

Risk of Electric Shock. Disconnect Before Servicing or installing product.

Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit.

Operating Specifications:

Voltage Range:	8 to 20 V DC
Input Voltage Range:	10 to 12 V DC
Current Draw:	Minimum of 1.2 A

12V Module Only

- Use only with approved microprocessor-based controllers (refer to label on module cover) as follows:
 - GETS: EL2, VHLC, EC4, EC5
 - US & S: MICROLOCK II VERSION 8
- Vital programmable control systems or relay flashers are the only approved means of flashing the LED signal.
- LED module fits into most standard railway signal heads.
- LED module is self-contained – no assembly is required.

Testing:

- If testing before installation, be sure to use a **constant power source rated 10 V / 2 A minimum** to ensure proper operation of the LED signal.

NOTE: Failure to do so will activate the light-out safety detection feature of the LED signal and disable the lamp's operation.

Installation Steps:

NOTE: Failure to properly follow these instructions may cause signal to malfunction.

1. **Existing signal head in the field:** Remove lens and incandescent bulb assembly from housing.
2. **Existing in-line rheostat in the field:** Set rheostat (variable resistor) to zero "0" or remove completely.
3. **Voltage settings:** Check the label on the back of the LED module to ensure the voltage corresponds to the system voltage. The recommended voltage at the signal head is 10 to 12V.
4. **Wiring:** The module wires have been color-coded to help identify the color of the signal when it is off. For example, red signals have red wires.

NOTE: Some older versions of the 92-series had one white and one coloured wire. There is no significance to the different colors with respect to the input voltage polarity.

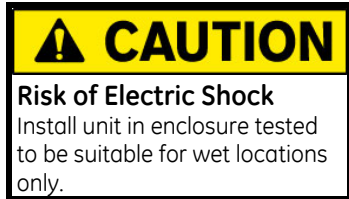
5. **Insertion of LED module into signal head:** Insert the LED module into lens slot and tighten metal tabs, or insert LED module into the external ring holder.



If the lamp is **NOT** inserted in the correct orientation, the light output of the lamp output will not meet specification.

Installation Instructions (cont'd)

RM4 LED Signals Rail – 92 Series / Wayside Colorlight



Ensure arrow "↑" points upward for proper beam alignment

Check label for required voltage



Wire color indicates LED signal color



GE Lighting Solutions • 1-888-MY-GE-LED • www.gelightsolutions.com
1-888-69-43-533 • or • +1.216.266.2419

GE Lighting Solutions, LLC is a subsidiary of the General Electric Company. The GE brand and logo are trademarks of the General Electric Company.
© 2010 GE Lighting Solutions, LLC. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.