**Electronic Manufacturing and Engineering Services**

**UV Measurement and Process Control Instruments**

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**Subject: Supplemental Instructions for EIT DIN Rail Module (DRM-007)**

**Issue Date: August 2019**

**WARNING: TO AVOID DAMAGING THIS DIN RAIL AND/OR ANY ITEM INCLUDING A PROGRAMMABLE LOGIC CONTROLLER (PLC) CONNECTED TO IT**

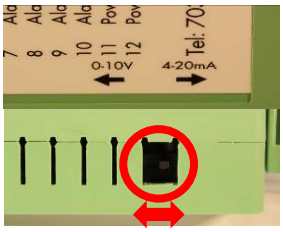
**PLEASE READ THE INSTRUCTIONS BELOW PRIOR TO INSTALLING, POWERING OR CONNECTING ANYTHING TO THE DIN RAIL**

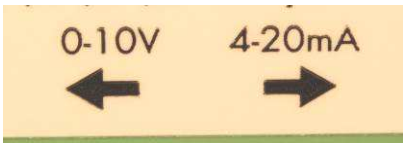
Thank you for purchasing the EIT DIN Rail Module (EIT Model Number DRM-007).

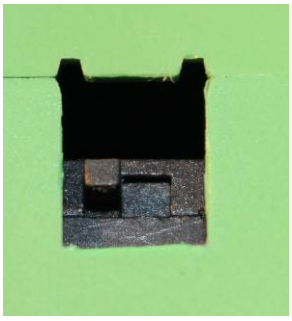
The DRM-007 replaces the EIT DRM-002 and in most cases should be a drop in replacement.

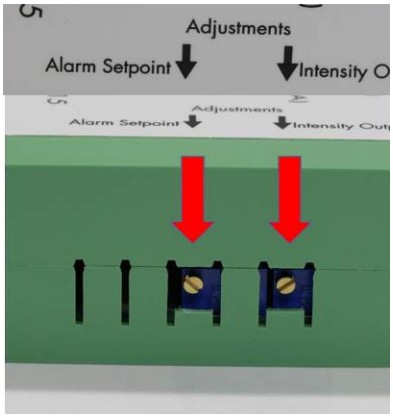
The DRM-007 features:

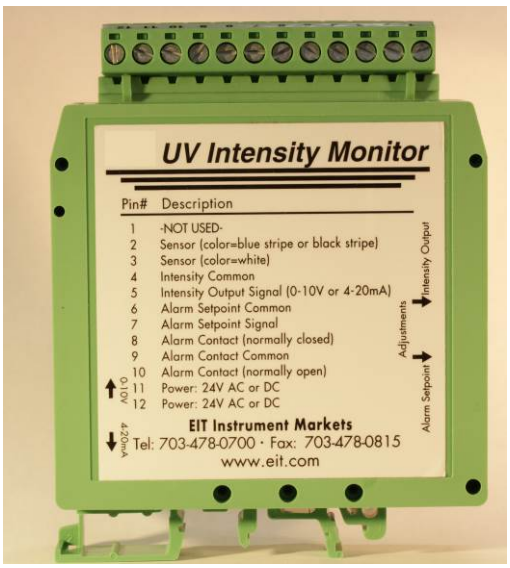
- A new design compliant to RoHS and CE with currently available components
- Options to output either a 0-10 Volt signal proportional to the UV intensity or a new option to output a 4-20 milliAmp output signal






**Left (Top):** Switch to select the DIN Rail output to 0-10 V (left position) or 4-20 mA (right position)
**Left (Bottom):** Switch shown in the 0-10V (Left) position
**Center (Top):** Label showing 0-10 V and 4-20 mA positions
**Center (Bottom):** Gain Pot adjustments for Alarm Setpoint (L) and Intensity Output (R)
**Right:** DIN Rail Module

## Notes

1. Double check and confirm the type of signal (0-10V or 4-20 mA) that your PLC or Controller can accept.
2. The switch to change the DIN Rail DRM-007 output between 0-10 V and 4-20 mA should only be done when all power DIN Rail unit power is off
3. Refer to the EIT UV Online Products User's Guide posted on our website https://www.eit.com/sites/default/files/100200_Online_Rev_C.pdf
4. The only change in the terminal is the addition of the 4-20 mA option on Pin #5 below. The output is based on the switch position
5. The resistive load for 4-20 mA must be ≤ 600 Ω Ohms for proper operation

| **DIN Rail UV Intensity Monitor Terminals-Standard Compact Sensor** | | | |
|---|---|---|---|
| **Terminal/ Pin #** | **Description** | **Optional/ Required** | **Use** |
| 1 | Not Used | - | Not Used |
| 2 | Compact Sensor White Wire with Black Stripe | Required | Ground connection to Compact Sensor |
| 3 | Compact Sensor White Wire | Required | Signal connection to Compact Sensor |
| 4 | Intensity Common | Required | Ground connection to PLC /Control System |
| 5 | Intensity Output Signal (0-10V **or** 4-20 mA) | Required | Intensity signal connection to customer's PLC/ Control System |
| 6 | Alarm Setpoint Common | Optional | Not Used when PLC or Control System provides alarm recognition |
| 7 | Alarm Setpoint Signal | Optional | Not Used when PLC or Control System provides alarm recognition |
| 8 | Alarm Contact (Normally Closed) | Optional | Not Used when PLC or Control System provides alarm response |
| 9 | Alarm Contact Common | Optional | Not Used when PLC or Control System provides alarm response |
| 10 | Alarm Contact (Normally Open) | Optional | Not Used when PLC or Control System provides alarm response. |
| 11 | Power: 24V AC or DC | Required | *Power In (+) |
| 12 | Power: 24V AC or DC | Required | *Power Out (–) |