## Programmable LED Sensor Display ENVIROMUX®

## View Sensor Value, Name/Location, Unit of Measurement, and Alert Status for Any/All Sensors Connected to E-2D/5D/16D



**E-PLSD – LEDs Turn Green for Normal Status** 

- Displays the data from any or all NTI ENVIROMUX® sensors configured on an E-2D/5D/16D, including cascaded units – internal sensors, external sensors, digital inputs, output relays, IP devices, SNMP sensors, power supplies, events, and smart alerts.
- 14-segment LED characters.
  - LED display window dimensions WxH: 7.62x3.09 in (194x79 mm)
  - Five characters for sensor value reading.
  - Character dimensions WxH: 1.09x2.02 in (28x51 mm)
  - Fourteen characters for displaying sensor name/location.
  - Customizable through the E-2D/5D/16D web interface.
  - Character dimensions WxH: 0.37x0.68 in (9x17 mm)
  - Three characters for indicating unit of measure for the sensor value being displayed.
    - Character dimensions WxH: 0.37x0.68 in (9x17 mm)
  - The LED display characters will be green when sensor status is normal, yellow when a sensor is in non-critical alert (warning), and red when in critical alert status (alarm).
- Touch-sensitive buttons.
  - Use the "SENSOR" button to manually go to the next sensor to be displayed.
  - It stops auto-scan for 30 seconds, and then resumes auto-scan.
  - "BRIGHTNESS" adjusts the LED intensity/color.
  - "MODE" switches C to F for temperature sensors.
- One female RJ45 port for connecting an E-TRHM-7 Temperature/ Humidity Sensor.
  - E-TRHM-7 Sensor can be extended up to 500 feet from E-PLSD using 24 AWG CAT5/5e/6 cable.
  - Applications from -4 to 140°F (-20 to 60°C) and 0 to 90% relative humidity.
  - Temperature accuracy:
    - $\pm 0.90^{\circ}F$  ( $\pm 0.50^{\circ}C$ ) for -4 to  $14^{\circ}F$  (-20 to -10°C).
    - $\pm 0.72^{\circ}F (\pm 0.40^{\circ}C)$  for 14 to 140°F (-10 to 60°C).
  - Humidity accuracy (at 86°F/30°C):
  - 10 to 80% relative humidity, ±3%
  - 80 to 90% relative humidity, ±4%



E-PLSD – LEDs Turn Red for Alarm Status

- Configure/program the LED display using the E-2D/5D/16D web interface.
  - Drag and drop feature for user to select desired sensors to be shown on the LED display.
    - Allows user to set sensor order to be displayed.
  - User-selectable display duration for each sensor (in seconds) before it switches to the next sensor status being displayed (AKA "Scanning")
    - Default: 10 seconds
  - Enable sensors in warning/alarm status to be the only ones displayed/rotated.
    - Will rotate/scan the sensors in normal status once all sensors in warning/alarm have been cleared.
  - Sensor configuration pages feature sensor nickname field nickname is shared with any/all LED displays.
    - Nickname supports 14 characters, that way sensor name does not scroll.
    - If no nickname is entered, the LED Display will use the description, which will scroll if longer than 14 characters.
      - User-selectable scrolling time. (Default: 300ms per character)
- Compatible with E-2D/5D/16D.
  - Interfaces with the E-2D/5D/16D via the RJ45 sensor port.
  - Compatible with E-RJ8-RS485 RJ45 RS485 Sensor Port Hub
  - Supports CAT5/5e/6/6a cable (24 AWG) up to 1000 feet (305 m) (not included).
- Powered by 24VDC 1.5A external power supply (included).
  - Typical Load: 24V @ 50 to 150mA
  - Maximum Load: 24V @ 1.0A
- Communication type: RS485
- Wall mountable.
- Dimensions WxDxH: 9.96x1.08x6.72 in (253x28x170 mm).
- Operating and storage temperature: -4 to 140°F (-20 to 60°C)
- Operating/storage relative humidity: 10 to 90% non-condensing RH.
  - Regulatory approvals:
  - CE, RoHS.

- TAA compliant.
- Compatible with E-SER-2FOxMxx Fiber Converter/Extender.
- Use to extend sensor up to 1.2 miles (2km) from the ENVIROMUX unit.

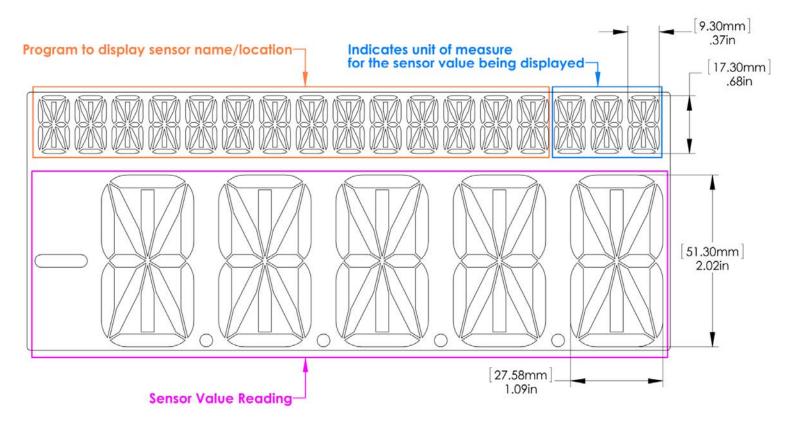


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