

ENVIROMUX-RTDT-140 (-20 to 140°F (-28 to 60°C))
ENVIROMUX-RTDT-240 (30 to 240°F (-1 to 115°C))

100 OHM PLATINUM RTD TRANSMITTER

DESCRIPTION

The **ENVIROMUX-RTDT Platinum RTD Transmitter** is a two-wire, 4-20 mA transmitter designed for use with 100Ω platinum RTD sensors. The transmitter is available in two standard ranges:

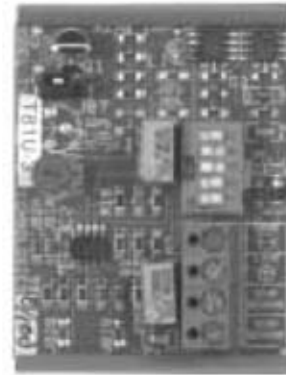
ENVIROMUX-RTDT-140: -20 to 140°F (-28 to 60°C)
 ENVIROMUX-RTDT-240: 30 to 240°F (-1 to 115°C)

The unit has a special 20 mA loop calibration test signal to provide easy system verification. Simply move the bottle plug jumper from NORM to 20, and the transmitter will output a constant 20 mA. The Loop Up LED provides power indication for the 4-20 mA output.

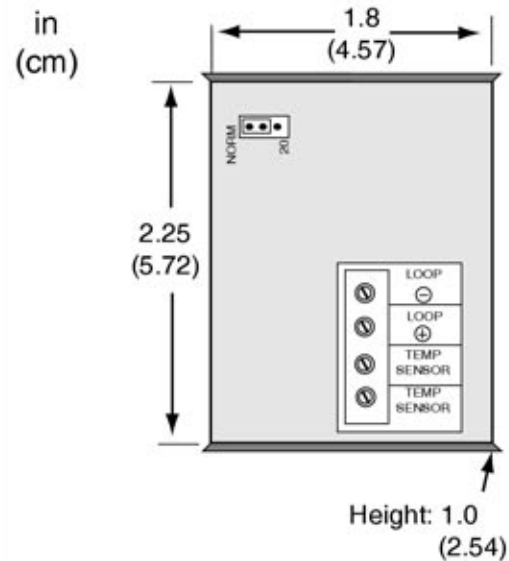
FEATURES

- *Loop calibration test signal*
- *Snap-track mounting*
- *Loop-powered LED indication*

The ENVIROMUX-RTDT-xxx requires the ENVIROMUX-S420MA and an RTD sensor probe (i.e. ENVIROMUX-RTDS-A240, ENVIROMUX-RTDS-MP240 and others) to operate with the ENVIROMUX SEMS-16(U), ENVIROMUX-16D, ENVIROMUX-5D, or ENVIROMUX-2D Enterprise Environment Monitoring System.

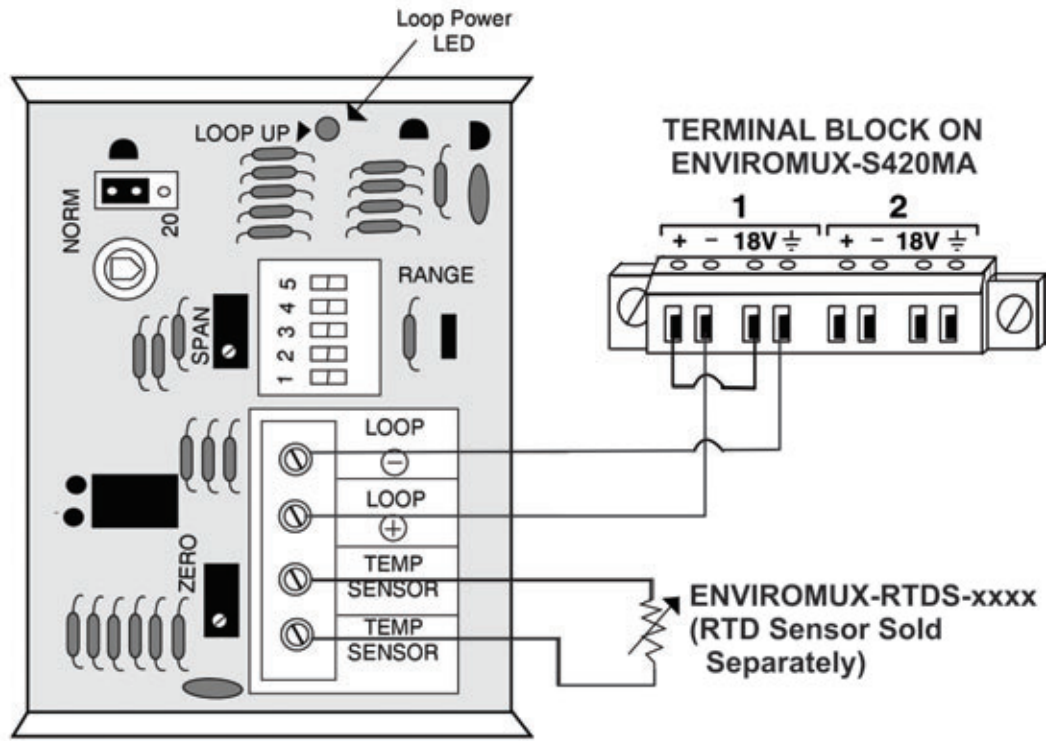


DIMENSIONS



| SPECIFICATIONS | | | |
|--------------------------------|-------------------------------------|-------------------------------|--|
| Sensor input | 100Ω platinum TCR 0.00385 Ω/Ω/°C | Max impedance | 675 Ω at 24 VDC |
| Output | 4-20 mA, loop-powered | Ambient operating temp | 0° to 140°F (-18° to 60°C) |
| Accuracy | ±0.8°F (±0.45°C) | Humidity | 0% to 95% noncondensing |
| Loop calibration output | 20 mA ±0.2% | Dimensions | 1.8"W x 2.25"L x 1"H (4.6 x 5.7 x 2.5 cm) |
| Supply voltage | 10.5 VDC-45 VDC | Agency | CE |

WIRING



RTD Sensor 10 Configuration (Type: Temperature)

| Sensor Settings | |
|---|--|
| Description | RTD Sensor 10 <small>Descriptive name for the sensor</small> |
| Group | 1 <small>Select which group the sensor belongs to</small> |
| Min. Level | 4.0 <small>Min. supported value for the sensor</small> |
| Max. Level | 20.0 <small>Max. supported value for the sensor</small> |
| Associate Sensor | <input checked="" type="checkbox"/> Associate sensor to a customized sensor type |
| Associated Sensor Type | Temperature <small>Type of the associated sensor</small> |
| Associated Sensor Unit | F <small>Measurement unit for the associated sensor</small> |
| SNMP Associated Type ID | 32767 <small>ID value for SNMP type of associated sensor</small> |
| Min. Associated Level | -20.000000 <small>Sensor expected value corresponding to 4mA</small> |
| Max. Associated Level | 140.000000 <small>Sensor expected value corresponding to 20mA</small> |
| Min. Non-Critical Threshold | <input type="text"/> <small>Min. threshold below which indicates a non-critical alert condition</small> |
| Max. Non-Critical Threshold | <input type="text"/> <small>Max. threshold above which indicates a non-critical alert condition</small> |
| Min. Critical Threshold | <input type="text"/> <small>Min. threshold below which indicates an alert condition</small> |
| Max. Critical Threshold | <input type="text"/> <small>Max. threshold above which indicates an alert condition</small> |
| Refresh Rate | 10 Sec <small>The refresh rate at which the sensor view is updated</small> |
| <input type="checkbox"/> Non-Critical Alert Settings <input type="checkbox"/> Critical Alert Settings <input type="checkbox"/> Data Logging | |

Min. and Max. Assoc. Levels for -140 model
Change to 30 / 240 for -240 model
(See manual for ENVIROMUX-S420MA
For more details)