

## Sensor Accessories

### Digital Input/Output Expanders

#### Digital I/O Expander (Open-Collector Outputs)



**ENVIROMUX-DI16DO16**

- Adds 16 digital inputs and 16 digital open-collector outputs to the ENVIROMUX-2D/5D/16D
- Digital inputs:
  - 16 screw terminal pairs for connecting dry contact devices
  - Voltage range: 0 to +36VDC
- Digital outputs:
  - 16 screw terminal pairs for open-collector outputs
  - Rated sink current: 500 mA per output
  - +5VDC, 22kΩ pull-ups
  - Voltage range: 0 to +24VDC
  - Controllable via SNMP

#### Digital I/O Expander (Normally-Open Relay Contact Outputs)



**ENVIROMUX-DI16DOR16**

- Adds 16 digital inputs and 16 digital normally-open relay contact outputs to the ENVIROMUX-2D/5D/16D
- Digital inputs:
  - 16 screw terminal pairs for connecting dry contact devices
  - Voltage range: 0 to +36VDC
- Digital outputs:
  - 16 screw terminal pairs for normally-open relay contact outputs
  - Potential free
  - Rated switching load: 0.5A @ 125 VAC, 1.0A @ ±30VDC
  - Controllable via SNMP

### 4-20mA & 5VDC Sensor Converters

#### 4-20mA Sensor Converter



**ENVIROMUX-S420MA-24V**

- External RJ45 device monitors up to two 4-20 mA analog sensors
- Supports ISA Type 2, ISA Type 3, and ISA Type 4 sensors
- Provides 24VDC, 25mA for each sensor

#### 5VDC Sensor Converter



**ENVIROMUX-S5VDC**

- External RJ45 device monitors up to two linear DC sensors, 0VDC ~ 5VDC
- Output for each sensor:
  - ENVIROMUX-S5VDC: 12VDC, 25mA
  - ENVIROMUX-S5VDC-5V: 5VDC, 15mA

### Fiber Converter/Extender

#### Fiber Converter/Extender



**ENVIROMUX-FSC**

- Extend compatible sensors up to 1.2 miles (2 km) over two fiber cables.
- Converts RJ45 cabling into fiber on both ends.
- Supports two simplex multimode 50-micron or 62.5-micron SC cables.
  - Use CAT5/5e/6 cable with one end unterminated to connect the ENVIROMUX unit and sensor to the fiber converters.
  - Supports CAT5/5e/6 cable up to 1,000 ft (305 m) on local and remote ends combined.

### Self-Adhesive Clips

#### Self-Adhesive Clips for Liquid/Chemical Sensor Rope



**ENVIROMUX-CLP10-LD**

- Use to prevent sensor rope cable from shifting after installation
- Material: Nylon
- Quantity: 10 clips
- Compatible with ENVIROMUX-LDx-y and ENVIROMUX-CDx-y

### Sensor Cables

#### Sensor Cables



**ENVIROMUX-2W-x**

- 22 AWG 2-wire sensor cable.
- Use to connect dry contact sensors to the ENVIROMUX-2D/5D/16D.
- Available lengths (ft): 3/6/10/25/50/100/300/500

### Surge Protectors

#### CATx Surge Protector



**SP-CAT5-6V**

- Protects sensors running on CATx unshielded twisted pair (UTP) cable against the effects of electrostatic discharge, faulty wiring and lightning.
- The use of two protectors on each end of the line will provide increased protection for each end against surges.
- Protected pins: (1,2) (3,6) (4,7) and (7,8) pass through.

#### Weather Resistant Surge Protector for RS485 Control & 12VDC Power Lines



**SP-RS485-12V-O**

- Ideal for applications such as video surveillance cameras and access control.
- Protects sensors running on 22 AWG 2-wire sensor cables or 12VDC power lines against the effects of electrostatic discharge, faulty wiring and lightning.
- Will also protect two single ended data, analog or control lines.
- Impact and weather resistant enclosure with locking hinged cover.