Monitor up to 1,640 feet of leak detection sensor cable – receive alert warnings when liquid is detected

- Monitor up to 1,640 feet (500 meters) of liquid/chemical detection sensor cable or an under carpet leak detection sensor.
- Audible and visible alarm notifications.
  - Silence the audible alarm using the “mute” button.
- Adjustable leak alarm sensitivity thresholds.
- Use as a standalone monitoring device or integrate into a larger system via the relay outputs.
- Configure for normally open or normally closed circuit connection.
- DIN-rail mountable.

The ENVIROMUX® Single-Zone Liquid Detection System monitors up to 1,640 feet (500 meters) of liquid/chemical detection sensor cable or an under carpet leak detection sensor. When the sensor detects a water or chemical leak, the system will notify you via a visual indicator (red LED) and an audible alarm.

**Specifications**

**Dry Contact Closures**
- One screw terminal pair for connecting a liquid/chemical detection sensor cable or an under carpet leak detection sensor.
  - Compatible sensors:
    - E-LD-LCx-y Low-Cost Liquid Detection Sensor Cable
    - E-LDx-y Liquid Detection Sensor Cable
    - E-CDx-y Chemical Detection Sensor Cable
    - E-UCLD-x Under Carpet Leak Detection Sensor
- Potential-free.

**Output Relay**
- One screw terminal pair.
- Potential-free relay switch contacts.
- Normally open / normally closed connection points.
- Maximum switching load: 0.5A at 125VAC or 1A at 24VDC.

**Serial Interface (Currently NOT Supported)**
- One screw terminal pair for RS485 two-wire network. (Currently NOT supported.)

**Dimensions**
- WxDxH in: 1.41x4.19x2.44 (36x106x62 mm).

**Power**
- One screw terminal pair.
- Provides +12VDC, 100mA
- Includes 12V, 1A power supply with country-specific line cord.

**Environmental**
- Operating Temperature: -4 to 122°F (-20 to 50°C).
- Storage Temperature: -40 to 140°F (-40 to 60°C).
- Operating & Storage Relative Humidity: 5 to 95% non-condensing RH.

**Regulatory Approvals**
- CE, RoHS

**Warranty**
- Two years
# Single-Zone Liquid Detection System

**ENVIROMUX®**

Monitor up to 1,640 feet of leak detection sensor cable – receive alert warnings when liquid is detected

## Liquid & Chemical Detection Sensors

### Low-Cost Liquid Detection Sensor, Rope-Style

- **E-LD-LCxy**
  - Detects any conductive liquid or moisture.
  - Minimum puddle: 0.06” (1.5 mm) diameter.
  - Available water sensor cable (x) lengths: 1/10/50/100/200/400/600 feet.
    - Material: PVC twisted pair with stainless 316 elements
    - Diameter: 0.14” (3.5 mm)
  - Available 2-wire cable (y) lengths: 5/10/20/50/100 feet.

### Chemical Detection Sensor

- **E-CDxy**
  - For detecting the presence of chemical liquid.
  - Reliably senses acids, bases, and other conductive liquids.
  - Detects liquid depth >0.1” (2.5 mm).
  - Minimum puddle: 0.6” (15 mm) diameter.
  - Available chemical sensor cable (x) lengths: 1/10/50/100 feet.
  - Available 2-wire cable (y) lengths: 5/10/20/50/100 feet.

### Liquid Detection Sensor, Plenum Rope-Style

- **E-LDxy**
  - Detects any conductive liquid or moisture.
  - Minimum puddle: 0.6” (15 mm) diameter.
  - Detects liquid depth >0.1” (2.5 mm).
  - Available water sensor cable (x) lengths: 1/10/50/100/200/400/600/800/1000 feet.
    - Plenum rating: CL2P (UL)
    - Diameter: 0.25 in (6.35mm)
  - Available 2-wire plenum cable (y) lengths: 5/10/20/50/100 feet.

### Under Carpet Leak Detector

- **E-UCLDx**
  - Use to detect conductive fluids and moisture under carpets.
  - Available 2-wire plenum cable lengths: 10/25/50/100/200/400/600/1000 feet.