

# Single-Zone Liquid Detection System

ENVIROMUX®

## 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.
- Built-in audible and visible alarm notifications.
  - Siren output level: 75 dB at 1 foot.
  - Silence the audible alarm using the “CLR” button.
  - Red LED lights up when a leak is detected.
- 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.
- Will ship with either black or green screw terminals and labels.



**E-LDA-LC2**  
**(Will Ship in Black or Green)**

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.

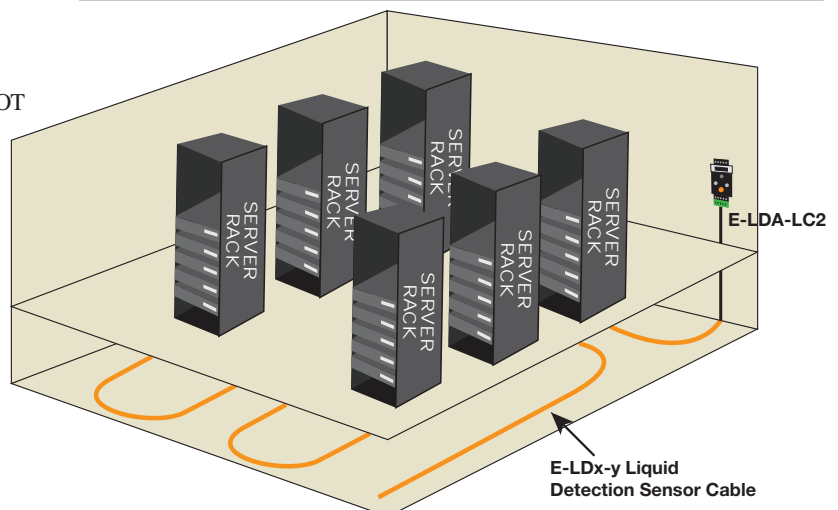
### Regulatory Approvals

- CE, RoHS

### Warranty

- Two years

### Configuration and Cable Illustration



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## Liquid & Chemical Detection Sensors

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



**E-LD-LCx-y**

- 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.

### Liquid Detection Sensor, Plenum Rope-Style



**E-LDx-y**

- 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.

### Chemical Detection Sensor



**E-CDx-y**

- 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.

### Under Carpet Leak Detector



**E-UCLD-x**

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