ENVIROMUX-TLD-x
Tape-Style Liquid Detector
(x= 10,25,50,100 Feet)

DESCRIPTION

The **ENVIROMUX-TLD-x** tape style water detector uses a self-adhesive sensor tape with copper fiber electrodes and a durable netted cover for dependable detection of conductive liquids anywhere along the length of tape. The **ENVIROMUX-TLD-x** includes a tape integrity self-check feature, which activates a trouble output if the tape is unplugged, broken, or cut. Alarm relays may be independently jumpered to energize or de-energize upon water or trouble detection.
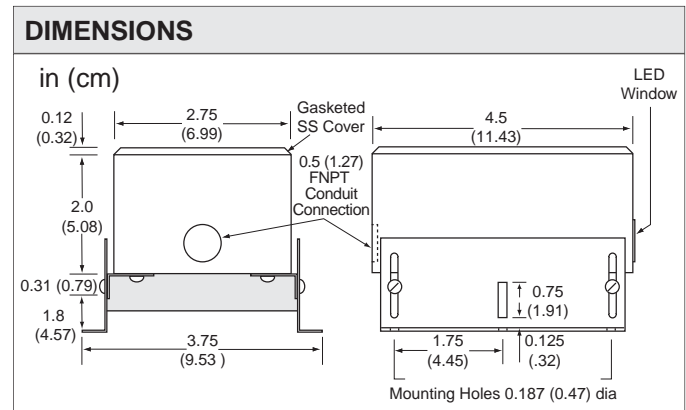
ENVIROMUX-TLD-x

FEATURES

- *Weather resistant enclosure*
- *Designed to minimize external noise pickup*
- *SPDT alarm and trouble relay contacts*
- *Relay action jumper selectable*
- *Continuous tape integrity self-check*
- *Power/Alarm/Trouble status LED (green, red, green/red)*
- *Sensor tape lengths of 10' (3.1m), 25' (7.6m), 50' (15.2m), 100' (30.5m)*
- *Floor or under-pipe mounting*
- *Able to convert to two alarm relays*

OPERATION

The ENVIROMUX-TLD-x can be used with any contact-closure monitoring device, wiring to either the normally open or normally closed contacts for flexibility.

DIMENSIONS

in (cm)

SPECIFICATIONS

Supply Voltage	11 -27 VAC/VDC	**Dimensions**	4.23"H x 3.75"W x 4.5"D
Supply Current			(10.7 x 9.5 x 11.4 cm)
VDC	15mA typical, 60 mA maximum	**Weight**	
VAC	35 mA typical, 120 mA maximum	ENVIROMUX-TLD	0.98 lb (6.44 kg) (without tape)
Relay Type	SPDT	ENVIROMUX-TLD-10	1.8 lb (0.8 kg)
Relay Output Rating	1A @ 24 VAC/VDC, 1/2A @ 120 VAC	ENVIROMUX-TLD-25	2.2 lb (1.0 kg)
Operating Temperature	Detector: 32° to 158°F (0° to 70°C)	ENVIROMUX-TLD-50	3.0 lb (1.4 kg)
	Tape: 32° to 180F (0° to 82°C)	ENVIROMUX-TLD-100	4.6 lb (2.1 kg)
Sensor Electrodes	3 mil copper fiber, 1/4" gap	**Warranty**	24 Months
Enclosure	Cast aluminum, weather resistant		

INSTALLATION

Floor Mounting

Mount the **ENVIROMUX-TLD** box adjacent to the area to be protected. Unroll the sensor tape, remove vinyl release layer from the back, and hand press onto a surface that is dry and free of all debris and dust.

Note 1: Once the sensor is activated (wet), the contacts will remain in alarm until the netted cover is completely dry.

Note 2: To convert the tape integrity check relay to a second alarm relay, remove the jumper in the lower right corner of the circuit board. If the sensing tape is not used, install the jumper labeled "NO TBL CHK."
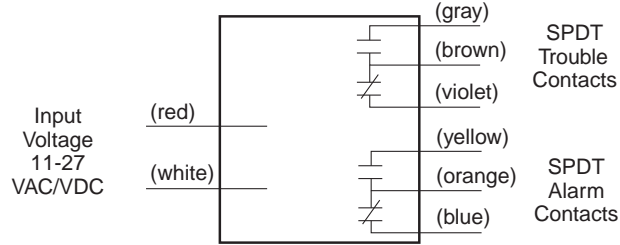
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WIRING

The ENVIROMUX-TLD-x is provided with a 1/2" FNPT conduit connection in the end of the enclosure. Terminations are made using the color-coded wires with field-supplied connectors. All interconnect wiring should be 18 AWG or larger.

The ENVIROMUX-TLD-x tape includes a supervisory resistor mounted on the far end for the tape integrity self-check. A self-check disable jumper is provided inside for use with older or cut-down tapes that do not have the supervisory resistor.

STATUS INDICATOR
- **Green blink**   Normal
- **Red blink**   Water detected
- **Red/green alternating** Tape sensor problem

JUMPER POSITIONS
- **NO TBL CHK**   Install jumper to disable tape trouble check
- **OPT**   Remove jumper to convert trouble contacts to second set of alarm contacts
- **ALM**   (position D) De-energize relay on alarm (position E) Energize relay on alarm
- **TBL**   (position D) De-energize relay on trouble (position E) Energize relay on trouble

ORDERING INFORMATION

MODEL	DESCRIPTION	PRICE EACH
ENVIROMUX-TLD-10	Water Detector with 10' (3.1m) sensor tape	$373
ENVIROMUX-TLD-25	Water Detector with 25' (7.6m) sensor tape	$544
ENVIROMUX-TLD-50	Water Detector with 50' (15.2m) sensor tape	$828
ENVIROMUX-TLD-100	Water Detector with 100' (30.5m) sensor tape	$1320

Schematic for wiring Tape Style Liquid Detector to DIGITAL IN Terminals