



Features & Options

- Detection Within 5 Seconds with Local LED Alarm Indication
- Alarm Output, Two 5 Amp Relays
- Rope Detects Water Along Its Entire Length
- Automatic or Manual Unit Reset

The Water Leak Detector is designed to sense the presence of water and alert a central monitoring system of the potentially destructive situation.

Upon water detection, the alarm output relays change state, and a local red LED illuminates. The sensor detects dirty and purified water, deionized water, distilled water and reverse osmosis (RO) water.

Water Leak Detector with Rope Sensor



Flex Connector

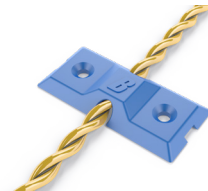


Liquid Tight Fitting

Rope Sensor Mounting Bracket

The BAPI Rope Sensor Mounting Bracket is specifically designed to hold the rope taut and prevent rope slippage allowing for maximum contact with the monitored surface. Bracket can be easily mounted to flat surfaces utilizing the industrial adhesive backing or the built in screw holes.

Part Number: BA/LDT-RR-MB (Pack of 25)



Specifications

Power: 24VAC $\pm 10\%$ (If VDC power is required, call your BAPI rep.), 5 Amp Relays: 4 Watt / 4 VA max

Rectification: Half Wave

Wiring:

Screw Terminals: 2 to 4 pair of 12 to 22AWG (BAPI recommends 16 to 22AWG).

Water Detection Sensor: 2 wires (provided), optional Flex Connector or Liquid Tight Fitting for strain relief

Rope Sensor:

Plenum-rated sensor cable, detects 1/8" of water. Max length: 100' (30.5m)

Latching and Supervised Relay Options:

LatchingRelays stay in alarm until manually reset or power is cycled

Non-LatchingRelays automatically reset after water is removed (default)

Unsupervised.....Relays energize on water detection

Supervised.....Relays de-energize on water detection (default) Note: Relay de-energizes on loss of power

Reset Action: If latching, local pushbutton or power interrupt

Local Indication: One green power LED, one red alarm LED

Alarm Relay Contacts:

LDT4: Two SPDT, 5 Amp relay outputs

Operating Environment

Rope Sensor: 32 to 167°F (0 to 75°C), 0 to 95%RH, non-condensing

Detector in BAPI-Box: -4 to 158°F (-20 to 70°C), 0 to 95%RH, non-condensing

Enclosure Material and Ratings: NEMA 4 (IP66), UV-resistant polycarbonate, UL94 V-0

Agency: RoHS, UL

Warranty: 5 years





Water Leak Detector Option Selection Guide

BA/ (#1) - (#2) - (#3)

#1: Leak Detector Transmitter (required)

LDT4..... Water leak detector with two 5A relays, SPDT contacts

#2: Probe Sensor (required)

RR10 Remote Rope Sensor with 10 foot plenum-rated sensor cable

RR25 Remote Rope Sensor with 25 foot plenum-rated sensor cable

RR50 Remote Rope Sensor with 50 foot plenum-rated sensor cable

RR100 Remote Rope Sensor with 100 foot plenum-rated sensor cable

#3: Enclosure and Fitting Options (required)

BB..... BAPI-Box enclosure, IP66 rated

BB-LTF BAPI-Box enclosure, IP66 rated, with liquid tight fitting

BB-GFF BAPI-Box enclosure, IP66 rated, with lex connector

Example Number: BA/ (LDT4) - (RR10) - (BB)

Actual Number (with parenthesis removed): BA/LDT4-RR10-BB

Description: Detector with Two 5A Relays, 10' Remote Rope Sensor and BAPI-Box Enclosure

Your Number: BA/

Replacement Sensors and Mounting Brackets

Part Number Sensor Type

BA/RR10 Remote Rope Sensor with 10 foot plenum-rated sensor cable

BA/RR25 Remote Rope Sensor with 25 foot plenum-rated sensor cable

BA/RR50 Remote Rope Sensor with 50 foot plenum-rated sensor cable

BA/RR100 Remote Rope Sensor with 100 foot plenum-rated sensor cable

BA/LDT-RR-MB..Mounting Bracket for Rope Sensor (Pack of 25)

Gray shaded items follow the Buy and Resale Multiplier.

Dimensions

