



Features & Options

- Detection Within 5 Seconds with Local LED Alarm Indication
- Alarm Output 0.5 Amp Relays
- Rope Detects Water Along Its Entire Length
- Usable in Industrial Electromagnetic Environments
- 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

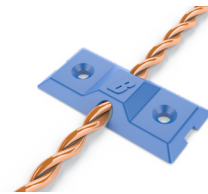


Liquid Tight Fitting

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/VDC $\pm 10\%$, 3.9VA max @ 24VAC, 90mA max @ 24VDC (Reverse Polarity Protected)

Note: This unit does not require a separate isolated power supply.

Rectification: Half Wave

Wiring:

Screw Terminals: 2 to 3 pair of 12 to 22AWG (BAPI recommends 16 to 22AWG)

Rope 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)

Alarm Output Relays:

Two SPST (Form A) Relays field selectable for Normally Open or Normally Closed. When configured as Normally Closed, the relay will change state with loss of power. 0.5A relay outputs, 10W max. Relay is not intended to switch a load.

Alarm Reset Action: Field selectable for Auto (Non-Latching) or Manual (Latching)

Auto: Relay automatically resets after water is removed (default)

Manual: Relay stays in alarm until manually reset or power is cycled

Local Indication: 1 Green Power LED, 1 Red Alarm LED

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: CE 61326-1:2013 EMC (Industrial Electromagnetic Environment), RoHS, UL

Warranty: 5 years





Water Leak Detector w/Rope Sensor – 0.5 Amp Relays

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Accessories for HVAC/R

Submission datasheets without List Prices are available on our website at www.bapihvac.com

Water Leak Detector Option Selection Guide

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

#1: Leak Detector Transmitter (required)

List Price

LDT2..... Water leak detector with two 0.5 Amp SPST contacts..... \$151

#2: Rope Sensor (required)

RR10 Remote Rope Sensor with 10 foot plenum-rated sensor cable \$174

RR25 Remote Rope Sensor with 25 foot plenum-rated sensor cable \$423

RR50 Remote Rope Sensor with 50 foot plenum-rated sensor cable \$839

RR100 Remote Rope Sensor with 100 foot plenum-rated sensor cable \$1,671

#3: Enclosure and Fitting Options (required)

BB BAPI-Box enclosure, IP66 rated \$12

BB-LTF BAPI-Box enclosure, IP66 rated, with liquid tight fitting..... \$22

BB-GFF BAPI-Box enclosure, IP66 rated, with flex connector \$13

Example Number: BA/ (LDT2) - (RR10) - (BB)

Actual Number (with parenthesis removed): BA/LDT2-RR10-BB

Description: Detector with Two 0.5A Relays, 10' Remote Rope Sensor and BAPI-Box Enclosure

List Price: \$151 (Two 0.5A Relays) + \$174 (10' Rope Sensor) + \$12 (BAPI-Box) = \$337 List Price

Your Number: BA/

Replacement Sensors and Mounting Brackets

Part Number	Sensor Type	List Price
BA/RR10	Remote Rope Sensor with 10 foot plenum-rated sensor cable.....	\$174
BA/RR25	Remote Rope Sensor with 25 foot plenum-rated sensor cable.....	\$423
BA/RR50	Remote Rope Sensor with 50 foot plenum-rated sensor cable.....	\$839
BA/RR100	Remote Rope Sensor with 100 foot plenum-rated sensor cable.....	\$1,671
BA/LDT-RR-MB	Mounting Bracket for Rope Sensor (Pack of 25)	\$110

Gray shaded items follow the Buy and Resale Multiplier.

Dimensions

