Water Leak Detector

**Features & Options**

- Detection Within 5 Seconds with Local LED Alarm Indication
- 5 Amp or 0.5 Amp Relays @ 30VAC/DC
- One Piece, Rope or Remote Sensor Design
- NEMA 4 Enclosure

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 relays change state, and a local red LED illuminates. The transmitter can be set for latching or non-latching alarm, and normally energized or normally de-energized operation.

**Specifications**

**Power:** 24VAC +/- 10%
- 5 Amp Relays: 4 Watt/ 4 VA max
- 0.5 Amp Relays: 2 Watt/ 2 VA max (not intended to switch a load)

**Wiring:** Flex Connector or Liquid Tight Fitting
- Relays:............Up to 6 wires for Alarm Contacts
- Transmitter ..........2 wires for Power

**Sensor:**
- Attached ...... SS probe w/ adjustable depth screw from 0.063 to 0.84”
- Remote ...... Sensor w/ adjustable depth from 0.062 to 0.5”, Mounts to pan with industrial adhesive tape or 0.172” mounting holes
- Rope ............... Long Line Wire Sensor, Plenum Rated. Detects 1/8” of water over the full length.

**Alarm Contacts:**
- LDT1:............. One SPST, 0.5A relay output, 10W max.
- LDT2:............. Two SPST, 0.5A relay outputs, 10W max.
- LDT3:............. One SPDT, 5A relay output
- LDT4:............. Two SPDT, 5A relay outputs

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

**Reset Action:** If latching, local pushbutton or power interrupt

**Termination:** Terminal Strip, 12 to 24 AWG

**Latching and Supervised Relay Options:**
- Latching........ Relay stays in alarm until manually reset or power is cycled
- Non-Latching.. Relay automatically resets after water is removed (default)
- Unsupervised.. Relay energizes on water detection
- Supervised...... Relay de-energizes on water detection (default)
  - Note: Relay de-energizes on loss of power

**Enclosure Ratings:**
- Remote Sensor.. Submersible, with FEP plenum-rated, waterproof cable
- Detector ........... BAPI-Box, NEMA 4 Polycarbonate Enclosure

**Ambient:**
- Remote Sensor..... -40 to 185°F (-40 to 85°C), 0 to 100%RH, Condensing
- Rope Sensor........ 32 to 167°F (0 to 75°C), 0 to 95%RH, Non-condensing
- Detector (BB)....... -40 to 185°F (-40 to 85°C), 0 to 95%RH, Non-condensing

**Agency:** RoHS, UL94V-0, UV-rated in Enclosure
## Water Leak Detector Option Selection Guide

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

### #1: Leak Detector Transmitter *(required)*
- LDT1: Water leak detector transmitter w/ one 0.5A SPST contacts
- LDT2: Water leak detector transmitter w/ two 0.5A SPST contacts
- LDT3: Water leak detector transmitter w/ one SPDT 5A contacts
- LDT4: Water leak detector transmitter w/ two SPDT 5A contacts

### #2: Probe Sensor *(required)*
- PS: Probe Sensor built into the enclosure
- RS5: Remote Spot Sensor with 5 foot FEP cable
- RS10: Remote Spot Sensor with 10 foot FEP cable
- RS25: Remote Spot Sensor with 25 foot FEP cable
- 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, w/ Liquid tight fitting
- BB-GFF: BAPI-Box enclosure, IP66 rated, w/ flex connector

*Submittal sheets without List Prices can be downloaded from our website at www.bapihvac.com*

### Example Number:

BA/ (LDT1) - (RR10) - (BB)

### Actual Number (with parenthesis removed):

BA/LDT1-RR10-BB

**Description:** Detector with one 0.5A contact, 10’ Remote Rope Sensor and BAPI-Box Enclosure

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**Replacement Remote Spot or Remote Rope Sensors**

For use as updates to existing systems or built-in (-PS) probe Sensors

**Sensor Type**
- BA/RS5: Remote Spot Water Sensor with 5 foot FEP cable
- BA/RS10: Remote Spot Water Sensor with 10 foot FEP cable
- BA/RS25: Remote Spot Water Sensor with 25 foot FEP cable
- 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

**Your Number:** BA/