Water Leak Detector
Accessories for HVAC/R

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% (If VDC power is required, call your BAPI representative.)
5 Amp Relays: 4 Watt/ 4 VA max • 0.5 Amp Relays: 2 Watt/ 2 VA max
(5 Amp and 0.5 Amp relays are 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
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

**#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

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/