



## 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
- Adjustable Detection Level with Bottom or Pan Edge Mounting
- 15 to 30VDC or 24 to 30VAC Power
- 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.



Detector with Remote Sensor

Detector with Attached Sensor

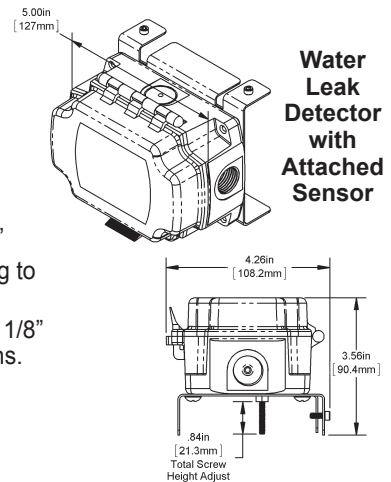


Detector with Rope Sensor

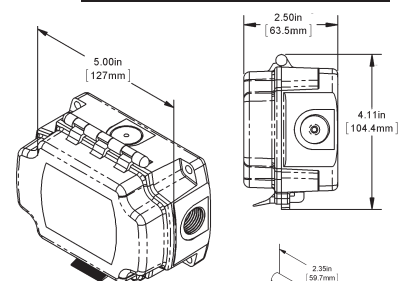


## Specifications

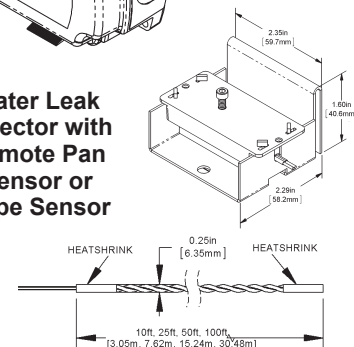
|   |  |
|---|--|
| <b>Power:</b>                                 | 15 to 30VDC or 24 to 30VAC, ~100 mA or ~4 VA   |
| <b>Wiring:</b>                                | Flex Connector or Liquid Tight Fitting   |
| Relays  | Up to 6 wires for Alarm Contacts   |
| Transmitter                                   | 2 wires for Power  |
| <b>Mounting:</b>                              | Lays in the pan with industrial adhesive tape or attached to the pan edge with screws  |
| <b>Sensor:</b>                                |  |
| Standard                                      | Attached SS probe w/ adjustable depth screw from .063" to .84"   |
| Optional                                      | Remote Sensor w/ adjustable depth from 0.062 to 0.5", Mounting to pan with industrial adhesive tape or 0.172" mounting holes                                       |
| Optional                                      | Remote Long Line Wire Sensor (Rope), Plenum Rated. Detects 1/8" of water over the full length. Comes in 10, 25, 50 or 100 ft lengths.                              |
| <b>Detector Transmitter:</b>                  |  |
| Alarm Contacts                                | LDT1: One SPST, 0.5A relay output, 10W max.<br>LDT2: Two SPST, 0.5A relay outputs, 10W max.<br>LDT3: One SPDT, 5A relay output<br>LDT4: Two SPDT, 5A relay outputs |
| Indication                                    | 1 Green Power LED, 1 Red Alarm LED   |
| Reset Action                                  | If latching, local push button or power interrupt  |
| <b>Termination:</b>                           | Terminal strip, 12 to 24 AWG   |
| <b>Latching and Supervised Relay Options:</b> |  |
| Latching                                      | Relay stays in alarm until manually reset or power is cycled   |
| Non-Latching                                  | Relay automatically resets after water has dried up (default)  |
| Unsupervised                                  | Relay energizes on water detection   |
| Supervised                                    | Relay de-energizes on water detection (default)<br>Note: Relay de-energizes on loss of power   |
| <b>Enclosure Ratings:</b>                     |  |
| Remote Sensor Detector                        | Submersible, with FEP plenum-rated, waterproof cable BAPI-Box, NEMA 4  |
| <b>Ambient:</b>                               |  |
| 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   |
| <b>Materials:</b>                             | Sensor: Stainless Steel<br>BAPI-Box: Polycarbonate   |
| <b>Agency:</b>                                | RoHS, UL94V-0, UV-rated in Enclosure   |



Water Leak Detector with Attached Sensor



Water Leak Detector with Remote Pan Sensor or Rope Sensor





Rev. 01/16/13

# Water Leak Detector

## Accessories for HVAC/R

**E25**

| Ordering Information                                      |   | Water Leak Detector  |                 |
|---|---|--|-----------------|
| BA/   | BAPI Product Design                               |  |                 |
|   | Leak Detector Transmitter                         |  | Must select one |
|   | 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    |                 |
|   | Probe Sensor                                      |  | Must select one |
|   | -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 |                 |
|   | Enclosure and Fitting Options                     |  | Must select one |
|   | -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   |   |  |                 |
| BA/   | LDT4  | -PS  | -BB             |
| BA/LDT4-PS-BB Water leak detector w/ two SPDT 5A contacts |   |  |                 |
| Your Part Number:   |   |  |                 |

Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.

## Replacement Remote Water Sensors

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

| Ordering Information |                          | Replacement Remote Water Sensors                           |                 |
|----------------------|--------------------------|--|-----------------|
| BA/                  | BAPI Product Design      |  |                 |
|                      | Remote Spot Water Sensor |  | Must select one |
|                      | RS5                      | Remote Spot Water Sensor with 5 foot FEP cable             |                 |
|                      | RS10                     | Remote Spot Water Sensor with 10 foot FEP cable            |                 |
|                      | RS25                     | Remote Spot Water 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 |                 |
| EXAMPLE              |                          |  |                 |
| BA/                  | RS10                     |  |                 |
| BA/RS10              |                          | Remote Spot Water Sensor w/ 10foot FEP cable               |                 |
| Your Part Number:    |                          |  |                 |

