

# RESOLUTION

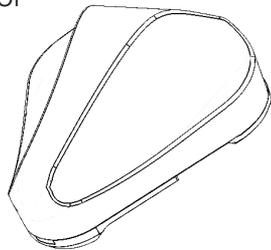


## RE318 DSC® Compatible Trident™ Environmental Sensor

**Trident** is an integrated environmental sensor. It detects water and reports extreme temperature conditions.

### Features

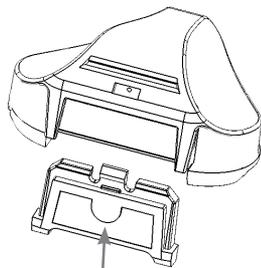
- Titanium probes for unmatched corrosion immunity
- IP67 rated waterproof enclosure
- GORE® vent equalizes enclosure pressure
- 5 year warranty



**Enroll** by placing the panel into wireless enrollment mode and then sending an enrollment signal from the sensor. The flood zone is enrolled by removing the battery tabs or tamper the sensor. The freeze and heat zones are enrolled by removing the sensor cover and shorting the desired terminals.

### ESN ID Configuration

- **Flood zone** is the serial number shown on the device
- **Freeze zone** is the serial number with last digit replace with a 1.
- **Heat zone** is the serial number with last digit replace with a 2.

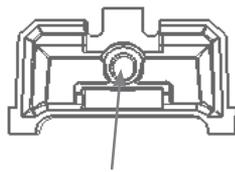


Wall Clip

**Install** by placing the sensor in the location requiring water or air temperature detection. If desired, the wall clip can be used to secure the Trident sensor.

### Optional Wall Clip Securing

- Remove the Trident body from wall clip.
- Secure wall clip to a wall with a #6 screw.
- Example securing locations are a wall, baseboard or cupboard.



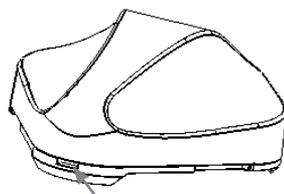
Mounting Screw Hole

**Detects** water pooled under the sensor and reports extreme air temperature conditions.

### Temperature Trip Points

- Heat alarms when over 100.4° F (38° C)
- Heat restores when under 96.8° F (36° C)
- Freeze alarms when under 44.6° F (7° C)
- Freeze restores when over 48.2° F (9° C)

**To replace the battery**, insert a flat blade screwdriver into the front slot and twist. To reinstall the cover, align the rear latches and roll the cover forward until it snaps into place.



Front slot

Verify proper enrollment and operation using your control panel's installation manual.

## Specifications

Physical	
Housing Dimensions	2.43 x 2.48 x 1.17 inches (6.2 x 6.3 x 3 cm)
Weight with Battery	1.34 ounces (38 grams)
Mounting Fastener	#6 screw (not provided)
Environmental	
Operating Temperature	32 to 120 °F (0 to 49 °C)
Maximum Humidity	85% non-condensing relative humidity
Water Resistance	IP67 rated (Waterproof for over 30 minutes at 1 meter depth)
Sensor Specifications	
Frequency	433.92 MHz
Replacement Battery	Two Panasonic CR2032
Nominal Battery Life	10 years
Battery Voltage	3.0 VDC (Nominal) 2.3 VDC (Low)
Current Draw	20 mA (Maximum) 0.5 uA (Quiescent)
Transmitted Indications	Cover Tamper, Wall Tamper, Low Battery, Supervision
Certification	
RE318	FCC, IC

*Specifications subject to change without notice.*

### WARRANTY

Resolution Products, Inc. will replace products that are defective in their first five (5) years.

### IC NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux cnr d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage, et
- (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC: 8310A-RE318

### FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the Resolution Products, Inc. could void the user's authority to operate this equipment.

FCC ID: U5X-RE318

### TRADEMARKS

DSC is a trademark owned by TYCO Safety Products Canada LTD.

Resolution Products Inc. products will function with DSC systems. However, no Resolution product is produced by, endorsed by, nor is officially associated with DSC. Resolution recommends verifying proper enrollment and operation, per control panel installation instructions, at installation.