


# Installation, Operation and Maintenance Manual

## Trident™ Sensor

### Installation Guide

**⚠ WARNING**



Read this manual **BEFORE** using this equipment.  
Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.  
Keep this manual for future reference.

**THINK SAFETY FIRST**

**⚠ WARNING**

You are required to consult and follow any applicable codes in the installation of this product.



The Trident™ wireless sensor with an optional sensing cable attached.

## Equipment Details

Requires 2-CR-123 batteries. Battery tab needs to be pulled during installation.

Sensing cable can be attached if you wish to extend the sensing area. Comes in 1.5', 5', and 10' lengths and can be daisy chained.

Single multi-function button. For any other issues, please contact The Detection Group at [service@thedetectiongroup.com](mailto:service@thedetectiongroup.com)

## Sensor Installation

Determine installation location and install Velcro adhesive (Gorilla Glue) at appropriate height.

Pull battery tab, and **verify the screws are snug on battery cover**.

Place the sensor in the desired location.

Once powered up the sensor will go through the registration process:

1. First, indicated by an initial **Blue**, **Yellow** and then **Red** indicator light and a single beep.
2. Followed by one **Yellow** every 15 secs, and a series of chirps as it communicates to the previously installed hubs.
3. Successful registration-3 **Blue** and a single beep.
4. The Sensor is now successfully registered. See **Trident™ Management Platform** section below to complete the configuration.
5. Failed registration- 3 **Red** and 3 beeps.  
(If registration fails see Troubleshooting section attached.)
6. Device will blink **Blue** every 15 seconds in normal operation.

# Operating Information

## Re-register Device

Press and Hold the button for ~12 seconds. All lights will flash **Blue** and device will beep one time. Once the reboot completes the device will blink blue every 15 seconds.

## Active Mode

Device checks for water every 15 seconds at the same time as the LED blink.

## Water Alarm Mode

Device blinks red and beeps once every 3 seconds.

### Silence Alarm

- Press and release the button. The device will silence and go into a lockout period in which the device will not sense water.
- During this lockout period the device will blink **Yellow** every 15 seconds.
- The default lockout period is 30 minutes.
- Device will automatically reset after 30 minutes.

### Reset Device Manually

- Press and hold the button for ~12 seconds to exit reset mode, or wait for the lockout time to expire.

## Status Indicators

STATUS	LIGHTS	SOUND
Boot	Blue Yellow Red	1 beep
Connecting	1× Yellow every 3s	
Good Setup	3× Blue	1 beep
Failed Setup	3× Red	3 beeps
Active	1× Blue every 15s	
Alarm	1× Red every 3s	1× short every 3s
Not Communicating	1× Red every 15s	
Silence	1× Yellow every 15s	
Reset	3× Blue	1 beep
Test	1× Yellow every 15s	1 beep
Battery Warning	1× Yellow every 15s	
Battery Alarm	1× Red every 15s	

## Troubleshooting

**Issue:** Sensor lost communication

**Resolution:** First, check to see if batteries need replacing. Attempt a re-register by pressing the middle button for ~12secs till you hear a second beep. You can also relocate the sensor closer to the nearest hub to verify that it will connect.

**Resolution:** Moving a sensor one foot in any direction can improve RF communication.

**Issue:** Sensor batteries die quickly

**Resolution:** RF quality and alarm responses may impact battery life. Improve RF signal by moving the device if possible. Always respond to alarms in a timely manner.

**Issue:** Sensor alarms but no water

**Resolution:** Ensure there is no water by touching the area around the sensor. If the sensor has a sensing cable attached, disconnect it to troubleshoot. With cable disconnected, silence and reset the device. If the sensor operates normally, re-connect sensing cable. If alarms, the issue is with the sensing cable. Make sure it is dry, free of debris and damage.

For any other issues, please contact The Detection Group at [service@thedetectiongroup.com](mailto:service@thedetectiongroup.com)

**Limited Warranty:** The Detection Group (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of installation. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

**THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**



A **WATTS** Brand

USA: T: (415) 941-LEAK (5325) • [TheDetectionGroup.com](http://TheDetectionGroup.com)