



hotun detect – it makes hotun sense

## Water & Temperature Sensing Alarm System (Battery Operated)

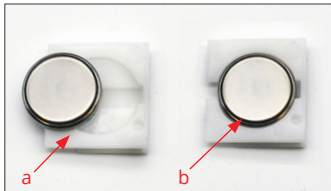
(Product Code HD-S1P & HD-S2P)

# Installation, Operation & Maintenance Instructions

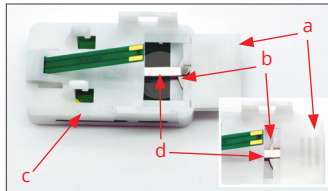
### General overview of hotun detect

- Audible (72dBA) and visual alarm unit for T/PRV discharges or water tank overflow
- Operational features: Set-up check/Unit on, Alarm stage warning, Battery condition, Auto low power alert
- Auto-mute/Auto-reset with manual override
- Senses water and temperature in four stages to aid fault diagnosis
- Helps save water and energy
- Complies with G3 Regulations to aid visually and mobility impaired
- Simple clip-on design and fitted within seconds on any hotun tundish
- Battery operated (2032 coin cell, supplied with unit.) Requires no specialist electrical knowledge to fit

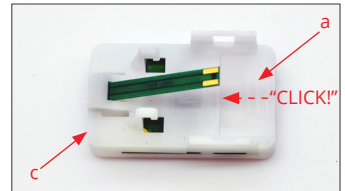
## 1. Installation – Battery mounting



1. Place the battery [b] into the sliding door [a] with the positive [+] side facing away from you



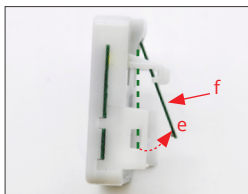
2. Insert battery door [a] into the main casing body [c] ensuring that the battery [b] is under the spring clip [d]



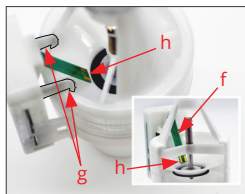
3. Slide the battery door [a] into the main casing body [c]. The door should with a "click"

## 2. Installation – onto hotun tundish

The unit has a simple mounting (hook) arrangement and can be secured to the hotun tundish with the supplied cable tie.



1. Before placing Detect onto tundish, carefully pull the sensor board [f] slightly away from the casing to [e].



2. Locate mounting hooks [g], onto tundish side, ensuring that the sensor board [f] is positioned to touch inside [h].



3. If required, hotun detect can be secured to the hotun tundish using the supplied cable tie [i].



4. Feed the cable tie through holes [j] and wrap tie around tundish and secure lightly, trimming any excess cable tie to suit

### Package Contents

- 1 x hotun detect,
- 1 x 2032 coin cell battery,
- 1 x Cable tie

Prefer to watch a video  
of the installation?  
View it now at  
[www.hotun.co.uk/media](http://www.hotun.co.uk/media)



PATENT PENDING  
Patent No. GB1718199.1

# Operating Procedure

Having inserted the battery, you can check to see the unit is functioning correctly by pressing the mute/reset button (🔇) once within 4 seconds of fitting the battery. The unit will give two beeps in succession with a red-then-green light flash. If not, check for correct battery polarity.

## Normal Operation

The unit operating is indicated by a single green light flash every 8 seconds.

## Auto Mute/Reset Function

The unit, once activated (alarm mode), will sound for 12 hours (warning beep every 20 seconds). After this, if not manually muted or reset, the unit will auto-mute for 24 hours. After this period, if the sensor is still wet, the alarm will sound for a further 12 hours before auto-muting again. If after 24 hours the sensor detects no water, the unit will then auto-reset.

## Manual Mute/Manual Reset - Override

If the unit is activated, (alarm mode) it can be manually muted and/or reset as follows:

### 1. Mute (for 12 hours)

Press and hold the mute symbol (🔇) for 2-3 seconds. (The unit will flash amber - no sound)

When muted the unit will still be in alarm mode and the red light will flash every 20 seconds.

**Mute Cancel:** Press Mute button once, confirmation is a single beep with green flash.

### 2. Reset

Note: The alarm can only be reset from "mute"

a) Press and hold to mute as above then release button.

b) Press (the unit will give a single beep and green light flash) and hold the mute button for 7-8 seconds.

When you hear a single long tone with a flashing green light the unit has been successfully reset.

c) Release the button.

Note: If the unit is reset and there is any water on the sensor board the alarm will immediately activate.

To avoid false alarms, the sensor tip must be thoroughly dried (e.g. with Kitchen Roll)

## Battery Level Indication

The condition of the battery (charge level) can be determined by pressing the mute button for approx. 4 seconds. The unit light will illuminate (for a few seconds) as either Green (good) Amber (average) or Red (replace).

## Low Battery Warning

(Automatic operation) Single beep + rapid red/green alternate flashes every 30 seconds.

## Alarm Operation Sequence

	Temp	Audible	Visual Description	Visual Representation	Repeat (seconds)
Normal Operation	N/A	None	1 x Green flash	●	8
Stage 1 Warning	Up to 20°C	1 beep	1 x Red flash	●	20
Stage 2 Warning	21 – 60°C	2 beeps	2 x Red flash	●●	20
Stage 3 Warning	61 – 85°C	3 beeps	3 x Red flash	●●●	20
Stage 4 Warning	>85°C	2 long beeps	2 x long Red flashes	●●	20
Low Battery Warning	N/A	1 beep	Rapid Red/Green alternating	●●	30
Mute	N/A	None	1 x Red flash	●	20

## Maintenance

There are no special maintenance requirements, however, the battery condition can be checked periodically - see 'Battery Level Indication' above, and the unit has a low power level automatic warning alert - see 'Low Battery Warning' above.

## 2 Year Standard Warranty + 1 Year (if registered - conditions apply)

RA Tech UK Ltd provides a standard 2 year Warranty (+1 year if registered) from the time of purchase from any manufacturing fault or defects with the product (this does not apply to the battery). To qualify for a free 1 year warranty extension you must register your product within three months of your purchase date.

To register your hotun detect alarm unit, please fill out our online registration form

## Warranty Claims Procedure

If you think you have a faulty product, please fill out our hotun detect Warranty Claims Form or send an email to [info@ratechuk.co.uk](mailto:info@ratechuk.co.uk) with the subject title of "Warranty Claim hotun detect" stating the date of purchase (with proof) and let us know what has gone wrong.

Alternatively, you could call us on (01332) 702678 and speak to one of our team.

