



**HeatComm**

Installation and User Instructions

**LeakSafe** 

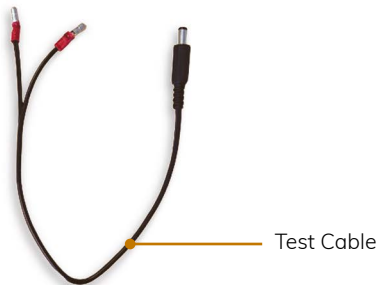
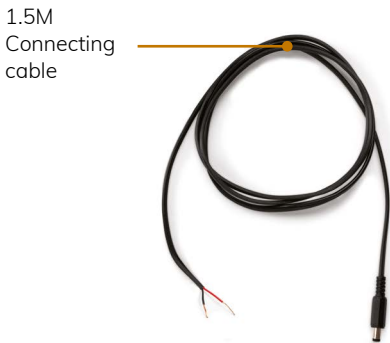
## INSTALLATION GUIDE

### A. General

HeatComm is a pressure drop notification system that can be installed to a sealed heating system and is programmed so that if a leak is detected ie., the pressure drops below the pre-set parameter an email or SMS notification is sent giving the date, time and HeatComm location information.

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### B. Components



### C. Signal testing the HeatComm device prior to installation

**IMPORTANT NOTE:** Leaksafe recommend that prior to installation you ensure that the HeatComm connects to the IoT network. Please provide Leaksafe with a mobile phone number where equipment test SMS's will be sent during installation. This can be amended following installation so that future alarms are sent to whoever will be managing the system. Contact Leaksafe on 0344 848 0488 or [info@leaksafe.com](mailto:info@leaksafe.com) during office hours to provide this information.

Ensure the lithium ER26500 battery is installed in the HeatComm. The HeatComm runs on lithium battery but has an option to mains power.

Temporarily position the HeatComm in its intended location. Plug in the test cable to port 1 and touch the two bullet ends together to short the connection. The port 1 red LED will illuminate, and the small green and blue LED indicators on either side of the central blue on/off button will flash to indicate that it is transmitting a leak alarm. Check that you receive a SMS (or email). Disconnect the cable.

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### D. Installation method

The Status Instruments pressure gauge has a ¼ inch BSP male connection. Using adaptor options (not supplied), the gauge would typically be fitted to an underfloor heating manifold. Alternatively, connections can be made to any part of the sealed heating system.

The parameters can be set to any pressure. Typically, the alarm is set to a low of 0.5bar (pre-set on delivery). Therefore, any small loss in pressure from a system, which happens in day-to-day operation would not trigger the alarm.

A catastrophic loss or continual loss would drop the pressure below 0.5 bar and generate an alarm. The parameter can be set to any level during device set up.

The Status Instruments pressure gauge is equipped with single volt-free changeover-type relay – please refer to instructions supplied with the pressure gauge. Connect the 2-core connection cable to the relay port and plug into port 1 of the HeatComm device.

Simulate a pressure loss by releasing the pressure to the sealed heating system at a safe outlet, such as an air vent or drain off cock. The port 1 red LED on the HeatComm will illuminate, and the small green and blue LED indicators on either side of the central blue on/off button will flash to indicate that it is transmitting a leak alarm. Check that you receive a SMS.

**IMPORTANT NOTE:** If you simulate the pressure loss within 30 minutes of the signal test (Section C above) you will not receive a SMS. Ensure this test is carried out at least 30 minutes after the signal test.

Mount the HeatComm in the desired location using the supplied backplate.

## USER INSTRUCTIONS

### A. General

LeakSafe's HeatComm pressure loss notification system comprises a digital pressure gauge with output relay connected to a notification device. If the sealed system drops in pressure below the pre-set parameter, the HeatComm sends a signal to LeakSafe's data platform that will immediately send a SMS and/or email with the time the leak was detected, and where the leak was detected.

The notifications will look like this:

#### SMS Notification:

Re: (Property & location e.g., Manifold, Boiler, Plantroom) Leak detected

Battery level: xxx

Temperature: xxx

Humidity level: xxx

#### Email Notification:

**From:** noreply@m3h.co.uk

**Subject:** Alert from LeakSafe

**Date:**

**To:**

This is a message from LeakSafe, reference:

RE: (Property & location) Leak detected

Battery level: x.xx

Temperature: xx.xx

Humidity level: xx.xx

This is for information only -

please do not reply to this email

#### LeakSafe HeatComm Device



## B. Responding to an SMS or Email Leak Alarm

If an alarm is raised, the red Zone LED on the HeatComm device will be lit. When you find the source of the leak (pressure loss), disconnect the lead from the HeatComm device. Repair the leak, re-pressurize the system, and plug the connecting lead from the pressure gauge back in to the Zone 1 port of the HeatComm.

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## C. Maintenance

The Control Panel is either mains powered with lithium battery backup or can run off lithium battery alone. Battery life is between 2 - 5 years. Usage, temperature, and humidity can all affect battery life. We recommend that you test the control panel with the test cable as described in Section C of the Installation Guide every 6 months and replace the battery if required.

To change the battery, slide the Control Panel to the right to release it from its bracket and reveal the battery compartment. Lithium battery type ER26500.



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