Quandify

# MANUAL

This manual may not represent the most current version. For the latest version of this document, please visit the Quandify Resource Center. Please note that the content of this manual may differ from the version posted on the Resource Center, and any updates or revisions will be reflected there.

# CubicDetector

### Smart water leak sensor.

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# INTRODUCTION

Small and easy to use water leak sensor. It detects water and alerts for leaks when in direct contact with water. It measures temperature & humidity to warn for frozen pipes and mold risk. When paired with the CubicSecure, leaks can also trigger an automatic water supply shut-off. The CubicDetector is easy to set up, and it requires no previous experience. This guide will assist you in getting your CubicDetector up and running.

# COMMON INSTALLATION AREAS

**Near or under**

- Washing machine
- Dishwasher
- Toilet
- Bath
- Kitchen sinks
- Under or near water appliances
- Water heater or heating boiler
- Water tanks
- Water pumps
- Basements
- Air conditioners
- Refrigerator or freezers

## PACKAGE CONTENTS

- 1 x CubicDetector
- 1 x CR123A Lithium cell
- 1 x wall mount with self-adhesive backing
- 2 x wall mount screws
- 1 x extension leak sensing cable

## ARTICLE NUMBER (MODEL VERSION)

QCD01

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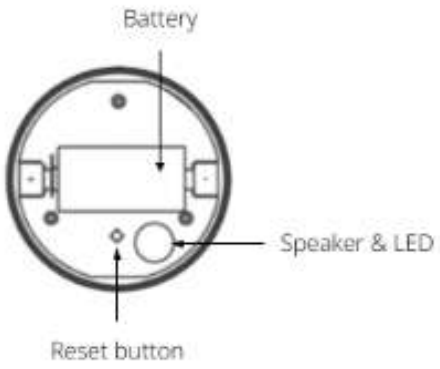
# INSTALLATION GUIDE

1. Hold the CubicDetector in your hand. Remove the top cover by twisting the cover counter clockwise.




1. Pull out the battery insulator, the LED should start blinking blue.
2. Put back the top cover in place.
3. Only attach the wall mount if you're also using the leak sensing cable.

Follow instructions in the Quandify app for Wi-Fi setup.

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## Water shut-off pairing with CubicSecure

Together with a CubicSecure you can automatically shut off the water supply in case of a water leakage triggered by your CubicDetector(s). Pair the devices using the smartphone app.

## Factory Reset

1. Hold the CubicDetector in your hand. Remove the top cover by twisting the cover counter clockwise.
2. Remove the battery.
3. Press and hold the reset button while putting back the battery.
4. Release the button when the LED turns purple.
5. Attach the top cover, in reverse order of removal. Turn the top cover until the three notches align.

## Wi-Fi Reset

1. Hold the CubicDetector in your hand. Remove the top cover by twisting the cover counter clockwise.
2. Press and hold the reset button for 10 seconds.
3. Release the reset button when the LED turns purple.
4. The device will now be in pairing mode and the LED should be blinking blue.
5. Put back the top cover in place.
6. Follow instructions in the Quandify app for Wi-Fi setup.

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## STATUS INFORMATION

| LED PATTERN | LED | MEANING | ACTION |
|---|---|---|---|
| OFF | - | Normal operation when powered | - |
| BLUE blinking | “🔵” | Device is in pairing mode and is visible on Wi-Fi list | Pair using smartphone app |
| PURPLE blinking | “🟣” | Device is performing an OTA update | Wait until the LED stops blinking. |
| 15s RED blinking on wakeup | “🔴” | Device is in offline mode, Wi-Fi not used | Perform a Wi-Fi reset to go back to pairing mode |
| 10s RED / BLUE blinking | “🔴”<br>“🔵” | Device is in fatal fault mode | Perform a factory reset or contact support |

| | | | |
|---|---|---|---|
| 1s RED blinking on wakeup | “🔴” | Device is in low power mode, Wi-Fi disabled | Replace battery |
| Single PURPLE blink | 🟣 | Device is booting up | - |

## ALARM INFORMATION

| ALARM | MEANING | ACTION |
|---|---|---|
| Continuously beeping + RED blinking | Water is detected in direct contact with the device or leak sensor cable | Remove device from water and check for leaks |
| Single beep every 60s | Low battery warning (< 5%) and is in low power mode | Replace battery |
| Cloud notification only | Low temperature warning (default < 2°C) | Check surrounding temperature |

## SERIAL NUMBER

You can find the 12 number serial number under the device, both in the form of a QR code, as well as its digits written on the right side of “S/N”, depicted below:

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# DATASHEET

| | |
|---|---|
| Storage conditions: | 5 °C - 55 °C |
| Environment: | Indoor usage |
| Temperature range: | -25°C - 60°C |
| Temperature accuracy: | ±1.5°C |
| Humidity range: | 0 - 100 % RH (Relative humidity) |
| Humidity accuracy | ± 5 % |
| Sound level: | 85 dB |
| Wi-Fi connectivity: | 2.4 GHz Wi-Fi, (802.11bgn) |
| Cloud data resolution: | 30 min |

| | |
|---|---|
| Message interval: | 24h or instantly if triggered by alarm |
| Weight: | 80 grams (excluding packaging) |
| Dimensions: | Width: 67 mm, height: 67 mm, length 25 mm |
| Extension leak sensor cable: | 1219 x 27 x 8 mm (QCD01-EXT) |
| Replaceable battery: | CR123A lithium cell, up to 3 years battery life* |
| Warranty: | 2 years |

**The battery life depends on the total duration of which the device is in active Wi-Fi mode and alarm mode .*

## MAINTENANCE, WARRANTY AND SERVICE

If a unit is faulty, please contact your authorized distributor for further assistance. All service must be performed by an authorized Quandify service center. If external parts need to be replaced, only original manufacturer spare parts should be used.

For more information or support, go to https://support.quandify.com/en.