

GUTTER AND FLAT ROOF · SOLAR · NB-IOT / LTE CAT-M

Gutter Sensor

Smart gutter monitoring from Allbase

ALARM FOR STANDING WATER

A maintenance-free, solar-powered sensor that detects standing water in gutters and drains early and raises an alarm before a blockage causes damage.

Suitable for

Roof gutters

Rainwater drains

Flat roofs

Commercial

Retail

Building management

The components



- 1 Gateway with solar panel**
Solar powered, sends the readings to the monitoring portal over NB-IoT or LTE Cat-M.
- 2 Swivel mount**
Ball joint: the panel can be turned through 360 degrees to face the light.
- 3 Clamp bracket**
Clamps onto the front edge of the gutter with two thumbscrews. No drilling.
- 4 Rainfall reference**
Integrated pad that records current rainfall for reliable blockage detection.
- 5 Sensor cable with probe**
The probe lies on the gutter bottom and detects standing water.

How it works

1

Measure

The probe and rainfall reference record standing water, rainfall and temperature, typically once an hour.

2

Transmit

The solar gateway sends the readings over NB-IoT or LTE Cat-M to the monitoring portal, around the clock.

3

Alert

If water exceeds a set level, or stands while no rain is falling, an alarm goes out by email or SMS.

Your benefits

- ✓ **Maintenance-free and solar-powered**, no battery changes
- ✓ **Early detection** of blockages and overflow, with live data in the portal
- ✓ **Proactive alerting** when a threshold is exceeded
- ✓ **Simple retrofit** with a clamp bracket, no drilling, no wiring
- ✓ **Fewer inspections** and gutters cleaned when they need it, not on a calendar
- ✓ **One international SIM** covers the UK and Ireland with no local contracts

Technical data

Measured	Standing water (capacitive probe), rainfall, temperature; typically hourly, adjustable remotely
Power	Solar, charges from daylight; 40 to 50 readings in reserve without sun
Communication	NB-IoT or LTE Cat-M, international SIM included
Alerts	Email and SMS to multiple recipients, thresholds set remotely; BMS and alarm platform integration via online options
Enclosure	IP67, antenna inside; operating temperature -20 °C to +60 °C
Size and weight	Approx. 20 × 25 × 15 cm (W × H × D), around 500 g
Installation	Retrofit, clamp bracket on the gutter edge, no drilling; typically 10 to 15 minutes on a standard gutter
Warranty	12 months on the hardware

Supplied, supported and serviced in the UK and Ireland by Allbase

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