



## Ei1020

# Temperature and Humidity Environmental Sensor

The Ei1020 is a temperature and humidity environmental sensor powered by a built in 10 year lithium battery. It connects wirelessly to the Ei1000G SmartLINK Gateway to provide actionable insights on the health of a property via the HomeLINK Dashboard and Resident App.

### Key Features

- Gather data on indoor environmental conditions
- Provides risk insights including condensation, damp and mould, cold home risk and heat loss
- Connection to Ei1000G SmartLINK Gateway required to extract data
- Easy to install and manage
- Suitable for wall and ceiling mounting
- 10-year lithium battery

### Technical Specification

<b>Sensor Type:</b>	Temperature and Humidity
<b>Supply Voltage:</b>	3V Lithium battery (non-replaceable)
<b>RF Frequency:</b>	868.2MHz band (1% duty cycle)
<b>Typical RF Power:</b>	8.1 dBm
<b>Max RF Power:</b>	+14 dBm
<b>RF Range:</b>	> 100 Metres in free air <sup>1</sup>
<b>Receiver category:</b>	2
<b>RF Protocol:</b>	RadioLINK2
<b>System size:</b>	Up to 12 RF device <sup>2</sup>
<b>Data upload:</b>	Via the Ei1000G Gateway
<b>Fixing:</b>	Screw fixing and base plate supplied
<b>Temperature Range:</b>	-10°C to 40°C
<b>Humidity Range:</b>	15% to 95% Relative Humidity <sup>3</sup>
<b>Plastic material:</b>	PC/ABS & HIPS, UL94 HB rated
<b>Dimensions:</b>	Product - 70mm x 70mm x 34mm
<b>Weight:</b>	74g
<b>Warranty:</b>	5 year (limited) warranty
<b>Approvals:</b>	



Compliant with Radio Equipment Directive 2014/53/EU

Manufactured to ISO 9001 quality standards  
Specifications are subject to change

1. Obstructions of any sort will result in a reduction in range from the free space specification. The range may vary depending on installation.

2. Please contact us for further advice if additional RF devices are required.

3. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.

E & OE As our policy is one of continuous product development, we reserve the right to alter product details without prior notice.