

# FireProtect 2 Jeweller

(Heat | CO)

Wireless temperature and carbon oxide detector

<b>Compatibility</b>	<b>Hubs</b> <ul style="list-style-type: none"><li>• <a href="#">Hub 2 (2G)</a></li><li>• <a href="#">Hub 2 (4G)</a></li><li>• <a href="#">Hub 2 Plus</a></li><li>• <a href="#">Hub Hybrid (2G)</a></li><li>• <a href="#">Hub Hybrid (4G)</a></li></ul> <b>Radio signal range extenders</b> <ul style="list-style-type: none"><li>• <a href="#">ReX 2</a></li></ul>
<b>Communication</b>	<b>Jeweller communication technology</b> <p>Proprietary wireless communication technology to transmit events.</p> <b>It features:</b> <ul style="list-style-type: none"><li>• Two-way communication.</li><li>• Protection against spoofing.</li><li>• Block encryption with a dynamic key.</li><li>• Instant notifications.</li><li>• Remote configuration via the Ajax apps.</li></ul> <a href="#">Learn more</a> <b>Frequency bands</b> <p>866,0 – 866,5 MHz 868,0 – 868,6 MHz 868,7 – 869,2 MHz 905,0 – 926,5 MHz 915,85 – 926,5 MHz 921,0 – 922,0 MHz Depends on the sales region.</p>

	<p><b>Maximum effective radiated power (ERP)</b> up to 20 mW Automatic power regulation to reduce power consumption and radio interference.</p> <p><b>Radio signal modulation</b> GFSK</p> <p><b>Radio communication range</b> up to 1,700 m Between the detector and a hub/range extender in an open space.</p> <p><a href="#">Calculate radio communication range</a></p> <p><b>Encrypted radio communication</b> All the data stored and transmitted are protected by block encryption with a dynamic key.</p> <p><b>Radio frequency hopping</b> To prevent radio interference and jamming.</p> <p><a href="#">Learn more</a></p>
<p><b>Sensitive elements</b></p>	<ul style="list-style-type: none"> <li>● Temperature sensor</li> <li>● CO (carbon monoxide) sensor</li> </ul>
<p><b>Dangerous temperature detection</b></p>	<p><b>Sensitive element</b> according to the requirements for Class A1 temperature detectors Requirements of EN 54-5 and BS 5446-2 standards.</p> <p><b>High temperature alarm</b> at temperatures above 64°C</p> <p><b>Temperature spike alarm</b> when the temperature rises more than 10°C in 1 minute or less</p>
<p><b>Carbon monoxide (CO) detection</b></p>	<p><b>Sensitive element</b> chemical CO sensor</p> <p><b>Alarm if accumulated dose of CO is exceeded</b></p> <ul style="list-style-type: none"> <li>● <b>more than 50 ppm (0.005%)</b> – no more than in 90 minutes</li> <li>● <b>more than 100 ppm (0.01%)</b> – no more than in 40 minutes</li> </ul>

	<ul style="list-style-type: none"> <li>● <b>more than 300 ppm (0.03%)</b> – no more than in 3 minutes</li> </ul> <p>CO concentration of 400 ppm (0.04%) within 3 hours can be life-threatening. The detector stops notifying about the dangerous level of carbon monoxide when the concentration drops to 50 ppm (0.005%) within one minute.</p> <p><b>Sensor life 10 years</b> After 10 years of operation, the detector must be replaced with a new one.</p>
<b>Additional features</b>	<p><b>In-built siren volume 85 dB at a distance of 3 meters</b> Sound notification of alarms. Active until the reason for triggering is eliminated or until the user disables notification.</p> <p><b>Interconnected Fire Detectors Alarms</b> All fire detectors in the system turn on built-in sirens if at least one of the detectors registers an alarm. An interconnected fire alarm is activated during one “hub – detector” polling interval but no more than 20 seconds later.</p> <p><b>LED indication</b></p> <ul style="list-style-type: none"> <li>● <b>Green is a power indication</b> A LED indicator on the device enclosure lights up once every 56 seconds. The indication meets the requirements of EN 50291.</li> <li>● <b>Yellow is an indication of malfunctions</b> A LED indicator on the device enclosure lights up when malfunctions are detected. For example, if the battery is low.</li> <li>● <b>Red is an indication of fire alarms</b> A LED indicator on the device enclosure lights up when the detector registers a fire alarm.</li> <li>● <b>Button on the front panel of the detector</b> In normal mode, runs the detector test when pressed. In the event of an alarm or malfunction, the pressing turns off the detector sound notification.</li> </ul>
<b>Anti-sabotage protection</b>	<p><b>Tampering alarm</b> Alerts of attempts to detach the detector from the surface or remove the mounting panel.</p> <p><a href="#">Learn more</a></p>

	<p><b>Protection against spoofing</b> device authentication</p> <p><b>Detection of communication failure</b> within 15 minutes The time to detect communication loss depends on the settings for the number of undelivered data packages (specified in the Jeweller or Jeweller/Fibra settings). The polling interval is fixed at 300 seconds.</p> <p><a href="#">Learn more</a></p>
<b>Power supply</b>	<p><b>For FireProtect 2 RB (Heat/Smoke/CO)</b> 2 × CR123A battery Up to 7 years of battery life.</p> <p><b>For FireProtect 2 SB (Heat/Smoke/CO)</b> 2 non-replaceable lithium batteries Up to 10 years of battery life.</p>
<b>Enclosure</b>	<p><b>Dimensions</b> 124 × 124 × 45 mm</p> <p><b>Weight</b> TBC g For FireProtect 2 RB (Heat/Smoke/CO).</p> <p>TBC g For FireProtect 2 SB (Heat/Smoke/CO).</p> <p><b>Operating temperature range</b> from 0°C to +50°C</p> <p><b>Operating humidity</b> up to 80%</p> <p><b>Protection class</b> IP20</p>
<b>Colours</b>	<ul style="list-style-type: none"> <li>● Black</li> <li>● White</li> </ul>
<b>Complete set</b>	<p><b>FireProtect 2 RB (Heat/CO) Jeweller</b> <b>SmartBracket mounting panel</b> <b>Installation kit</b> <b>2 × CR123A battery</b> (pre-installed) <b>Quick Start Guide</b></p>
<b>Additional information</b>	<p><b>Compliance with standards</b></p> <p><a href="#">Learn more</a></p>

**Warranty** 24 months

[Learn more](#)