

# LifeQuality Lite Jeweller

Wireless temperature and humidity monitor



## Essential indoor climate monitoring

LifeQuality Lite Jeweller monitors temperature and humidity at facilities with strict climate requirements. If a threshold is exceeded, the device can trigger automation scenarios to activate humidifiers, HVAC systems, or other equipment to restore the required conditions. The monitor operates on replaceable batteries for years, even in harsh high- or low-temperature environments, requiring minimal maintenance. Readings and configuration are available at any time in the intuitive Ajax app interface.

## Explore the differences

	LifeQuality Lite Jeweller	LifeQuality Jeweller
CO <sub>2</sub> sensor	✘	✔
Temperature and humidity sensor	✔	✔
Battery life	up to 5 years <sup>1</sup>	up to 3 years
Operating temperature	-30 °C to +50 °C -22 °F to 122 °F	0 °C to +50 °C 32 °F to 122 °F

## Key features



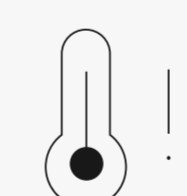
**Temperature and humidity monitoring**  
with a high-precision sensor developed in Switzerland



**Automation scenarios**  
to activate climate control devices in case of deviation



**Long-lasting autonomy**  
for up to 5 years<sup>1</sup> on pre-installed, replaceable batteries



**Stable operation in harsh conditions**  
within a temperature range from -30 °C to +50 °C  
(-22 °F to +122 °F)



**LED indication**  
for visual identification of current climate conditions



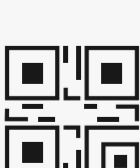
**Backup data storage**  
for up to 72 hours if communication with a hub or range extender is lost




**Hassle-free installation**  
without wiring or enclosure disassembly



**Sabotage protection**  
with a built-in accelerometer detecting device repositioning



**Easy monitoring and maintenance in Ajax apps**  
with real-time readings and measurement history stored for up to 2 years




<p><b>Compatibility with hubs and range extenders</b></p> <p>For detailed information, scan the QR code or follow the link:</p>  <p><a href="https://ajax.systems/tools/devices-compatibility/?models=LQ.L.J">ajax.systems/tools/devices-compatibility/?models=LQ.L.J</a></p> <p><b>Additional features</b></p> <p><b>Charts</b> of temperature and humidity</p> <p><b>LED indication</b> green: acceptable level yellow: beyond acceptable levels</p> <p><b>Automation scenarios</b> responses to temperature or humidity changes</p> <p><b>Backup memory</b> up to 3 days</p>	<p><b>Communication with a hub or range extender</b></p> <p>Jeweller and Wings communication technologies</p> <p><b>Frequency bands</b> 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>Communication range</b> up to 1,700 m up to 5,550 ft In open space<sup>2</sup></p>	<p><b>Temperature measurement</b></p> <p><b>Measurement range</b> –30 °C to +50 °C –22 °F to 122 °F</p> <p><b>Measurement accuracy</b> ±0.2 °C (0 °C to +50 °C) ±0.3 °C (–10 °C to 0 °C) ±0.4 °C (–20 °C to –10 °C) ±0.5 °C (–30 °C to –20 °C)  ±0.36 °F (32 °F to 122 °F) ±0.54 °F (14 °F to 32 °F) ±0.72 °F (–4 °F to 14 °F) ±0.90 °F (–22 °F to –4 °F)</p> <p><b>Measurement pitch</b> 0.1 °C 0.18 °F</p>	<p><b>Humidity measurement</b></p> <p><b>Measurement range</b> 0% to 100%</p> <p><b>Measurement accuracy</b> ±1.8% When the temperature is above 0 °C (32 °F)</p> <p><b>Measurement pitch</b> 1%</p>
<p><b>Power supply</b></p> <p><b>Battery</b> 2 × CR123A Pre-installed</p> <p><b>Calculated battery life</b> up to 5 years<sup>1</sup></p>	<p><b>Installation</b></p> <p><b>Operating temperature</b> –30 °C to +50 °C –22 °F to 122 °F</p> <p><b>Operating humidity</b> up to 85% non-condensing</p>	<p><b>Enclosure</b></p> <p><b>Color</b> black, white</p> <p><b>Dimensions</b> 77 × 77 × 35 mm 3.03" × 3.03" × 1.36"</p> <p><b>Weight</b> 118 g 4.16 oz</p>	<p><b>Complete set</b></p> <p>LifeQuality Lite Jeweller SmartBracket mounting panel 2 × CR123A battery (pre-installed) Installation kit Quick start guide</p>

<sup>1</sup> Up to 2.5 years when operating in sub-zero temperatures.

<sup>2</sup> Communication range may be significantly reduced when the device is installed in commercial freezers. Please verify signal strength using the dedicated test.



For detailed information, scan the QR code or follow the link:  
[ajax.systems/support/devices/lifequality-lite-jeweller](https://ajax.systems/support/devices/lifequality-lite-jeweller)

-  [support@ajax.systems](mailto:support@ajax.systems)
-  [@AjaxSystemsSupport\\_Bot](https://t.me/@AjaxSystemsSupport_Bot)
-  [ajax.systems](https://www.ajax.systems)