



Product description

Our wireless room humidity sensor provides room space temperature and battery voltage status.

The sensor casing has a discrete design which enables it to blend into any background. Room sensors contain a 9V Lithium battery that provides 3-5 years of use (depending on configuration and environmental conditions).

Each sensor can communicate directly with a WEMS BACnet Gateway, or can be routed via the nearest MX module cluster to provide a greater range.

Features

- Temperature sensor
- Discrete design
- High performance wireless narrow-band comms
- License-free use
- Low power, long battery life

Specification

Temperature & Humidity

Operating Temperature Range	-10 to +60°C
Operating Humidity	< 75% RH (Non-condensing)
Storage Temperature	-20 to +85 °C

Power

Supply Voltage	9V
Supply Source	UTRALIFE J9VL-J Lithium battery
Current Consumption Average	~38uA
Current Consumption Peak	26mA
Battery Life Expectancy	~3 Years

Wireless

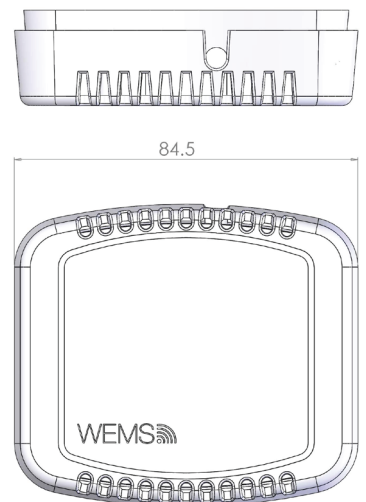
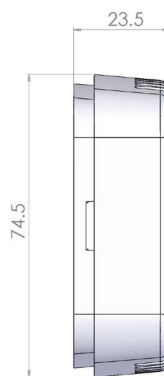
Frequency	433.05-434.79MHz
Output	8dBm
Sensitivity	-115dBm
Bandwidth	25kHz
Channels	69
Antenna	Internal

Sensor Details

Temperature Sensor Resolution	.1°C
Temperature Sensor Accuracy	+/- 1°C
Temperature Sensor Range	-10 to 50°C

Weight, Dimensions & Mounting

Weight	TBA
Mounting	Direct surface mount via backplate
Width	84.5mm
Height	74.5mm
Depth	23.5mm
Enclosure	ABS V0 flame retardant



Compliances

EMC

EN 301489-1: 2008

EN 55022: 2006

EN 61000-4-3: 2006

EN 61000-4-2: 2001

Wireless

EU R&TTE directive for 25KHz

EN 300 220 EMC standard for short range devices

EN 301 489 EMC standard for radio equipment and services

Safety

EN 60950: Information technology equipment

EN 60730: Automatic electrical controls

EN 50366: Domestic equipment

Product Codes

434MHz Room Temperature

ASD09N4R

915MHz Room Temperature

ASD09N9R