



Product description

Our wireless room humidity sensor provides relative humidity, room space temperature, light level 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

- Relative humidity, temperature & light sensors
- 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

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

Sensor Details

Temperature Sensor Resolution	.1°C
Temperature Sensor Accuracy	+/- 1°C
Temperature Sensor Range	-10 to 50°C
Light Sensor	0 - 10,000 Lux
Relative Humidity Resolution	1%

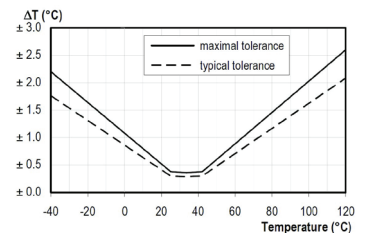
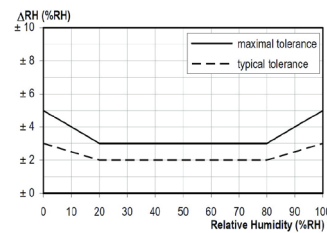
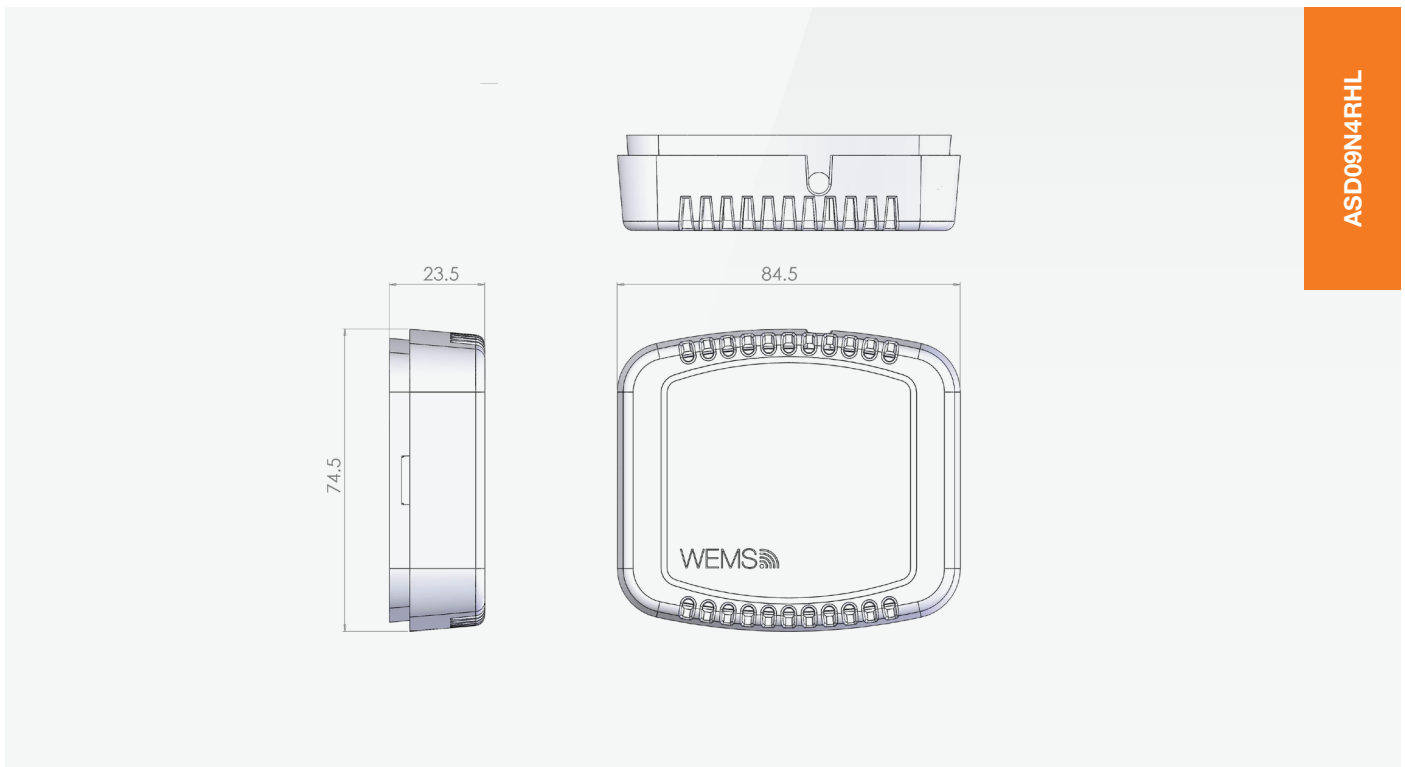


Diagram & Dimensions



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, Relative Humidity & Light Sensor

ASD09N4RHL

915MHz Room Temperature, Relative Humidity & Light Sensor

ASD09N9RHL