



## Product description

Our wireless outdoor sensor provides external air temperature, light level and battery voltage status. Outside sensors are battery powered to provide accurate readings and be installed with ease.

Each sensor also includes a single digital input for local status or alarms. Sensors are IP65 rated for external use and can operate using 434MHz or 915MHz frequencies.

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 & light sensors
- IP65-rated
- 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	~5uA
Current Consumption Peak	25.4mA
Battery Life Expectancy	~3 Years

### Wireless

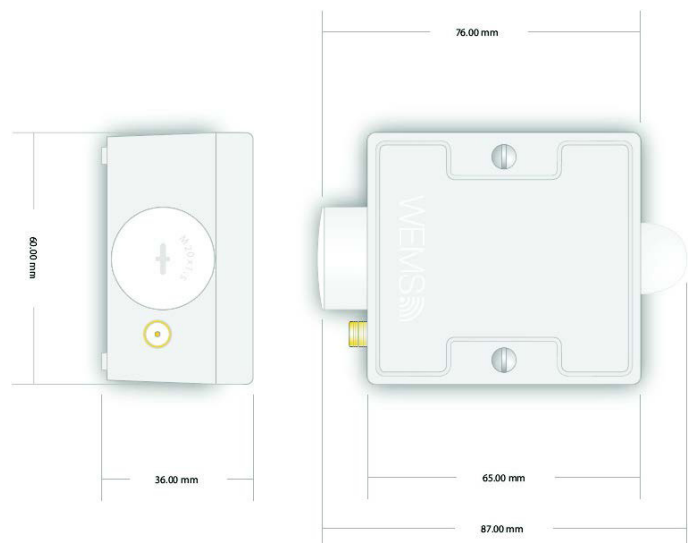
Model	ASD09N4OL	ASD09N9OL
Frequency	433.05-434.79MHz	902-928MHz
Output	8dBm	1dBm max (-1dBm ERP max)
Sensitivity	-115dBm	-110dBm
Bandwidth	25kHz	25kHz
Channels	69	51
Antenna	Female 50Ω SMA (SubMiniature version A)	

### Sensor Details

Temperature Sensor Resolution	0.1°C
Temperature Sensor Accuracy	+/- 1°C
Temperature Sensor Range	-10 to 80°C
Light Sensor	0 - 10,000 Lux

## Weight, Dimensions & Mounting

Weight	TBA
Mounting	Direct surface mount, 4 × mount holes
Width	60mm
Height	87mm
Depth	36mm
Enclosure	Flame retardant polycarbonate, IP65



## 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 Outdoor Sensor with Light

ASD09N4OL

### 915MHz Outdoor Sensor with Light

ASD09N9OL