



Product description

Our Universal sensor is ideal for a multitude of BMS applications. It provides one digital input, one temperature/light sensor inputs and battery status.

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.

Sensors are IP65 rated for external use and can operate using 434MHz or 915MHz frequencies.

Features

- 1 × analogue input for temperature or light
- 1 × digital input configurable for status or alarm
- 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

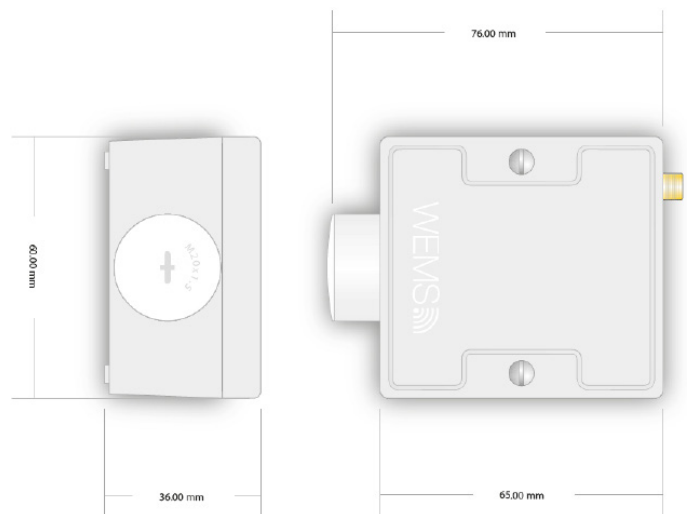
Frequency	433.05-434.79MHz
Output	8dBm
Sensitivity	-115dBm
Bandwidth	25kHz
Channels	69
Antenna	Female 50Ω SMA (SubMiniature version A)

Sensor Details

Thermistor Input	10KΩ Thermistor 10K3A1 (Resistive)
Digital Input	'Volt free' (Internal DC supply) or Opto Isolated, 50VDC max, threshold level ~5.5V

Weight, Dimensions & Mounting

Weight	TBA
Mounting	Direct surface mount, 4 × mount holes
Width	60mm
Height	76mm
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 Univeral Sensor

ASD09N4U

915MHz Universal Sensor

ASD09N9U