



## Product description

Our meter sensor provides one digital (volt-free) input for status or pulse meter counting. It has a conformal coating and has been certified for zero-rated areas, so can be used with gas meters.

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

- Digital input configurable for pulsed inputs
- 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	~5µA
Current Consumption Peak	25.4mA
Battery Life Expectancy	~3 Years

### Wireless

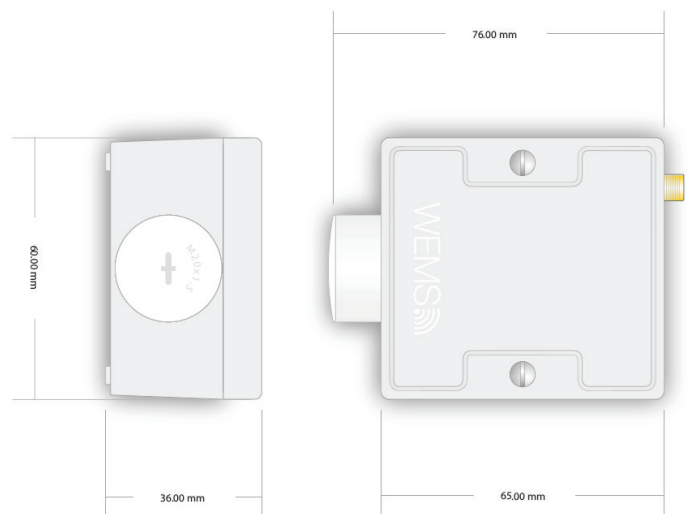
Frequency	433.05-434.79MHz
Output	8dBm
Sensitivity	-115dBm
Bandwidth	25kHz
Channels	69
Antenna	Female 50Ω SMA (SubMiniature version A)

### Sensor Details

Digital Input	'Volt free' (Internal DC supply) or Opto Isolated, 50VDC max, threshold level ~5.5V
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## 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 Pulse Meter Sensor

ASD09N4UP

### 915MHz Pulse Meter Sensor

ASD09N9UP