

# anywAiR® i0

## anywAiR i0 Micro Edge Data and Specifications

Wireless LoRa Input and Pulse Device



The MicroEdge is anywAIR i0's multi-purpose wireless (LoRa) IoT asset monitoring sensor. Designed to interface with low level sensors, pulse sensors (water, electrical, gas, etc.), in a small package, with minimum install time.

LoRa wireless IoT technology provides a very long transmission range that is energy efficient and less susceptible to object interference than other wireless technologies.

The MicroEdge provides 3 analog Inputs, and 1 Digital Pulse Accumulation Input. Values are sent wirelessly to the gateway controller, making installation hassle free.

Powered by a 4000mAh battery, the MicroEdge sensor has a runtime of 8 - 10 years depending on the configured push rate.





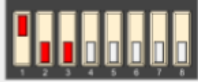
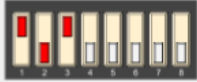

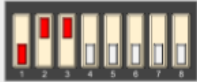
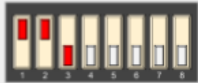
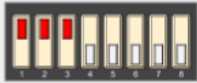
## Technical Data

General	
Dimensions	115mm x 65mm x 40mm or 4.53in x 2.56in x 1.58in
Power Supply	<b>Battery:</b> 8-10 years runtime depending on configured push rate
Push Rate	<b>Adjustable:</b> 30sec, 1min, 3min, 5min, 15min, 30min, 1h
IP / UL Rating	IP65 / UL94-V0 Waterproof Enclosure
Operating Temperature	-20°C to 80°C
Material Type	ABS Plastic (Acrylonitrile Butadiene Styrene)
Low Level Inputs	<b>3 x Analog Input:</b> 10k Thermistor, Digital / Dry Contact <b>1 x Digital Input:</b> Digital Pulse (Dry Contact or 3.3v max) Accumulation
Wireless Communications (LoRa)	
Transmit Frequency	915 MHz
Spreading Factor	7
Bandwidth	250 kHz

## Ordering Information

Device Models	
<p><b>ME - LR - _ - 0</b></p> <p>Product Family: ME - MicroEdge            Communication: LR - LoRa Raw            Inputs: 4 - 4 Inputs            Outputs: 0 - 0 Inputs</p>	
ME-LR-5	LoRa RAW wall mount sensor. Temperature, Humidity.

## Configuration

DIP Switch Settings				
<b>DIP Switches 1-3</b> Data Interval/Push Rate	<b>Push Rate</b>	<b>DIP Switch Configuration (RED Switches Only)</b>	<b>Push Rate</b>	<b>DIP Switch Configuration (RED Switches Only)</b>
	15 Minutes		5 Minutes	
	30 Seconds		10 Minutes	
	1 Minute		30 Minutes	
	3 Minutes		1 Hour	
	<b>DIP Switch 6</b> Reset Pulse Count	To reset the Pulse Count: Set DIP 4 ON/1; Push the Reset Button; Wait 5 seconds; Set DIP 4 OFF/0; Push the Reset Button.		
<b>DIP Switch 7</b> Testing Mode	When ON/1 this mode will override other Push Rate settings and assign a fixed Sensor ID (AAAAAAA) and send data at an 8 second Push Rate. When OFF/0, the device will use its configured push rate, and self assigned Sensor ID.			

