

LPWAN miniUni Counter IP65

PRODUCT DESCRIPTION

LPWAN miniUNI Counter device has been designed for different tasks where pulse counting is required. The counter contains open collector input, so pulse counting can be achieved by shortcutting 2 wires between each other. The device is capable to measure pulse length and decide if the pulse is valid or not. There are different parameters configurable remotely, beside pulse length detection the user can configure sleep time or critical trigger levels for achievement of certain volume of counted pulses. The counter has 2 inputs – based on FW can be configured for single counter or double. Some other versions are optimized for water meter sensing heads which can distinguish between forward and back ward flow. Then one input is used as counter and the other one for direction detection. The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra-low power components. 5+ year between battery replacement can be expected with 6 messages per day. Enclosure is made of high-quality ABS plastic and has been designed to meet IP65. The device can be delivered in IP68 protection on demand, as for details before order.

USAGE

- General pulse counter
- Reed contact pulse counting - Gas or Water meters
- Water meter add on sensing head counter
- Electric meter counter



FEATURES	PARAMETERS
Protection	IP65
Power supply	3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible
Power consumption	<3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBIoT)
Battery lifetime	Aprox. 20 000 transmissions
Supported LPWAN Standards	Sigfox, LoRaWAN, NBIoT (one of selected upon order)
Dimensions	107 x 65 x 33
Weight standard/radiation	130g
Counter inputs	Based on FW, single counter, dual counter, counter with direction detection
Antenna/typical range	Helical, gain 2.5dBi/45 to 110km depends on LPWAN technology