HEAVY DUTY LORAWAN NODE WITH DIGITAL INPUT

daviteq

SKU: WSLRWAL-DI

HEAVY DUTY LoRaWAN NODE WITH DIGITAL INPUT
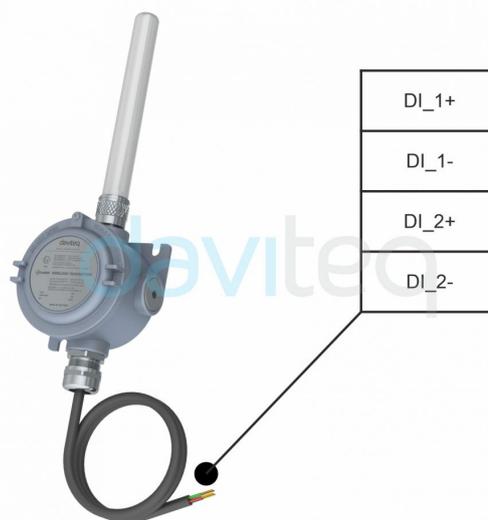WSLRWAL-DI

LoRaWAN

10-Year

IP66 WEATHERPROOF

WSLRWAL-DI-H1.JPG

WSLRWAL-DI is a Heavy Duty LoRaWAN Node with powder-coated cast aluminum housing and a high-efficiency / heavy-duty antenna that comes with 02 digital inputs for detecting the status of the pump, valve...or counting pulses from the flow meter, energy meter... Ultra-low-power design and smart firmware allow the device to run on a single battery type C for 5 years or more with 10 minutes update. It supports global frequency bands EU868, IN865, RU864, KR920, AS923, AS923-2, AU915, and US915. The sensor can work perfectly with any LoRaWAN Gateway on the market.

Typical applications: detecting the status of the pump, valve...or counting pulses from the flow meter, energy meter...

✓ **LORAWAN COMMUNICATION**
Support LoRaWAN Class A, connect to any LoRaWAN gateway on the market

✓ **HEAVY DUTY DESIGN**
Powder-coated cast aluminum housing and heavy-duty antenna

✓ **MORE THAN 5 YEARS BATTERY LIFE**
Ultra-low power technology allows 5-year battery life with a single size C battery

✓ **PLUG & PLAY**
The sensor is tested and pre-configured in factory before shipping.

2 CHANNEL DIGITAL INPUT

| DI_1+ |
| DI_1- |
| DI_2+ |
| DI_2- |

WSLRWAL-DI-H2.JPG

SPECIFICATION

Digital Inputs	2-channel dry contact or low voltage (≤3.3V)
Operation	Detecting status or Pulse counting (2Hz max)
Communication	LoRaWAN Class A, V1.0.3
Data rate	250bps .. 5470bps
Antenna	External Antenna
RF Frequency and Power	860..930 MHz, +14 .. +20 dBm, configurable for zones: EU868, IN865, RU864, KR920, AS923, AS923-2, AU915, US915
Data sending modes	interval time, or when status changes, or manually triggered by a magnetic key.
Configuration	via Downlink or offline USB cable (PC software is supplied for free)
Battery	01 x C type LiSOCl2 3.6V battery, not included (recommend SAFT LS26500)
Housing	Cast aluminum, IP66
Applicable Zones	Safe areas
Ambient working temperature	-40°C to +85°C (use with SAFT LS26500)
Dimensions	H100xW100xD80 (excluded antenna)
Net-weight	~ 1200 grams (without battery)
Mounting	Wall mount

DIMENSION DRAWING OF WSLRWAL-DI
(Unit: mm)

178.00
280.00
78.00
Ø85.04
R4.00
1/2" NPT
94.00
74.00
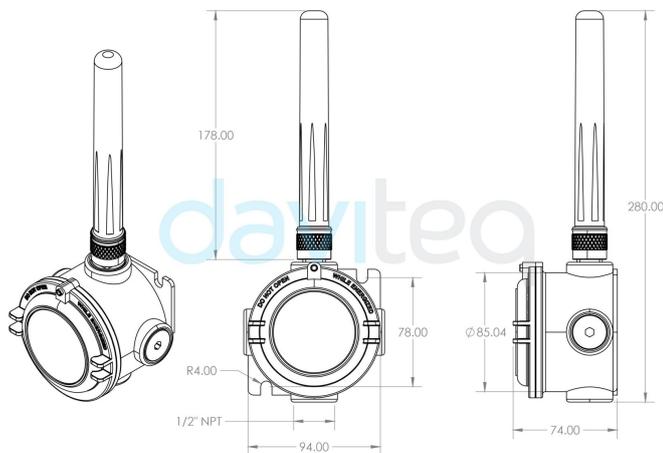
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RECOMMENDED BATTERIES FOR LoRaWAN NODE

LS 26500 Lithium battery

SAFT
LS 26500
3.6V
Li-SOCl2

-60°C..+85°C working temperature

Low self-discharge rate

7.7 Ah Capacity

WSLRWAL-DI-H4.JPG

ORDERING INFORMATION

WSLRWAL-DI-12	HEAVY-DUTY LORAWAN NODE WITH DIGITAL INPUTS, BATTERY 3.6V, IP66, 2-CHANNEL DRY-CONTACT OR VOLTAGE INPUT MAX 3.3VDC, LOGIC DETECTING OR PULSE COUNTING MAX 2HZ