Sigfox Digital Input Sensor WSSFC-DI

SKU: WSSFC-DI

Doc No: WSSFC-DI-DS-EN-10

Introduction

WSSFC-DI is a Sigfox sensor with 4 channel digital inputs to detect logic status 0/1 OR counting pulses from the water meter, gas meter, power meter, proximity sensor, limit switch, machine output, pressure switch... With Ultra-low-power design and smart firmware allow the sensor to run on a 2 x AA battery 1.5V for 10 years with one update per day. It can support all regions of the Sigfox network in over the World, RC1, RC2, RC3, RC4, RC5, RC6, and RC7.

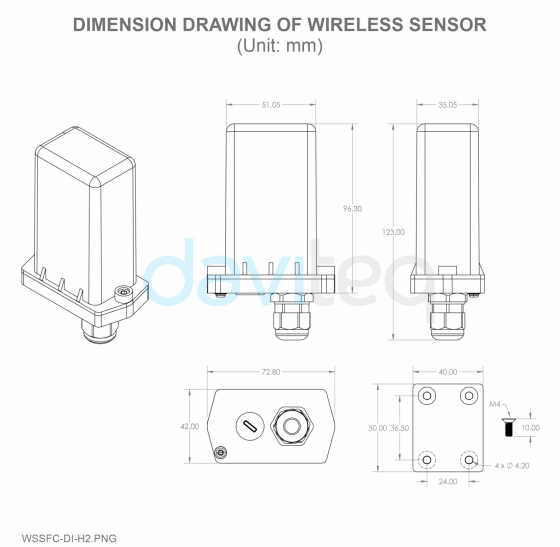
- Logic detecting or Pulse counting with non-volatile memory;
- Sigfox Ready;
- 10 years of battery life with one update per day;
- Plug & Play.

Typical Applications

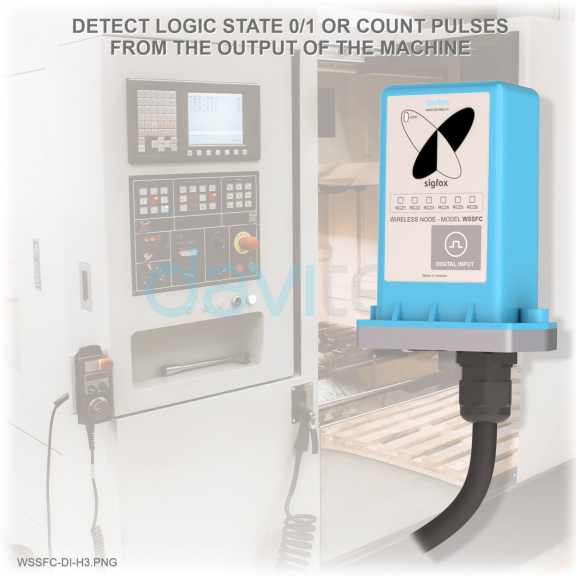
- Counting the output pulses from the water meter, gas meter, power meter...
- Detect logic status of the proximity sensor, limit switch, machine output, pressure switch...



WSSFC-DI-H1.PNG



WSSFC-DI-H2.PNG



WSSFC-DI-H3.PNG

Specification

SENSOR SPECIFICATION	
Input	4 channel Digital inputs with dry-contact or voltage input (max 3.3VDC)
Functions	Logic Detecting or Pulse Counting
Logic Detecting	Max frequency 1KHz, default Filter time 300mS, adjustable 1 .. 65535 mS
Pulse Counting	Max frequency 1KHz, default Filter time 100mS, adjustable 1 .. 65535 mS
Electrical connection	Shielded cable 2m length with PG9 cable gland
SIGFOX SPECIFICATION	
Sigfox zones	select RC2-RC3-RC4-RC5 or RC1-RC6-RC7
Antenna	Internal Antenna 2.67 dbi
Configuration	via Downlink or offline USB cable (PC software is supplied for free)
Battery	02 x AA Type 1.5VDC
RF Module complies to	CE, FCC, ARIB
Working temperature	-40°C..+60°C (using Energizer Lithium Ultimate AA battery)
Dimensions	H140xW73xD42
Net-weight	250 grams
Housing	Polycarbonate, IP67
Mounting	Wall mount bracket

Ordering Code

Item code	Descriptions
WSSFC-DI-14	SIGFOX-READY DIGITAL INPUT SENSOR WITH 4 CHANNEL DIGITAL INPUTS, SHIELDED CABLE 2M LENGTH WITH PG9 CABLE GLAND, INTERNAL ANTENNA, TYPE AA BATTERY 1.5VDC, IP67, RC1-RC2-RC3c-RC4 ZONES

⚠ Link for full datasheet:

⚠ Link for manual:

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