SIGFOX PT100 INPUT SENSOR

SKU: WSSFC-PT100

SIGFOX PT100 INPUT SENSOR
WSSFC-PT100

Sensor Input port

External Power Supply

WSSFC-PT100-H1.PNG

WSSFC-PT100 is a Sigfox wireless node with modular design connected to PT100 temperature sensor, based on 10-year experience in design and manufacturing Industrial sensor of Daviteq Company. It has been factory pre-calibrated for high accuracy and quick set-up. The Ultra-Low Power Power design and smart firmware allow the sensor to last up to 10 years with 02 x AA battery (depending on configuration). The sensor will transmit data in kilo-meters distance to Sigfox basestation. WSSFC-PT100 can support all regions of Sigfox network in over the World, RC1, RC2, RC3, RC4, RC5, RC6, RC7. Some typical applications are temperature monitoring for factories, agriculture, boilers, ...

SIGFOX READY
Device are best operating performance on the SIGFOX network

10 YEAR BATTERY
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can last up to 10 years with 2 x AA batteries 1.5VDC

PRE-CALIBRATED
Sensors are pre-calibrated at factory to deliver high accuracy and quick installation

OUTDOOR & EASY CLEANING
IP67 design for both Indoor and Outdoor applications and easy cleaning

CONNECT WITH PT100 TEMPERATURE SENSOR

Pt100 Temperature Sensor
3-Wire

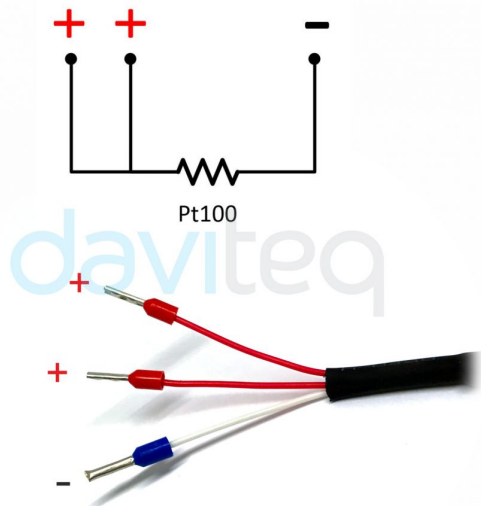WSSFC-PT100-H2.PNG

SPECIFICATION

Input	PT100 Temperature Sensor
Accuracy	0.05%
Sensor port connector	PG9 Connector
Sigfox zones	select RC2-RC3-RC4-RC5 or RC1-RC6-RC7
Antenna	Internal Antenna 2.67 dbi
Battery	02 x AA Type 1.5VDC, working time up to 10 years (depends on configuration)
RF Module complies to	CE, FCC, ARIB
Working temperature	-40oC..+60oC (using Energizer Lithium Ultimate AA battery)
Dimensions	H118xW73xD42
Net-weight	250 grams
Housing	Polycarbonate & POM plastic, IP67

**SIGFOX NODE CONNECT WITH
PT100 TEMPERATURE SENSOR VIA PG9 CONNECTOR**

PG9 Connector
Sensor Input Port

M12-Female Connector
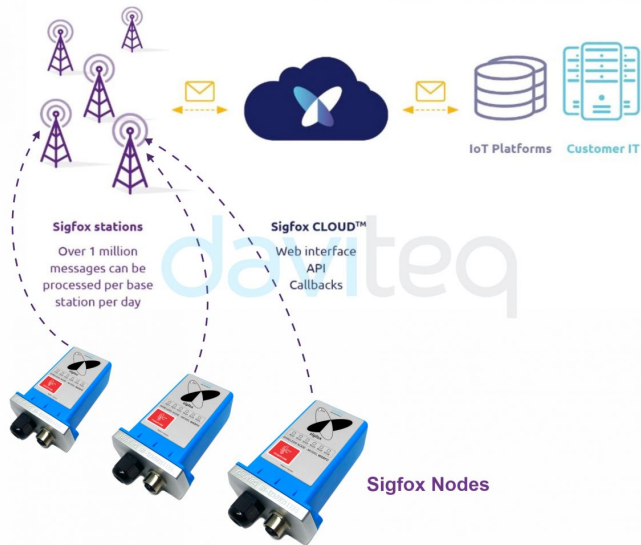Power Supply
7..48VDC

WSSFC-PT100-H3.PNG

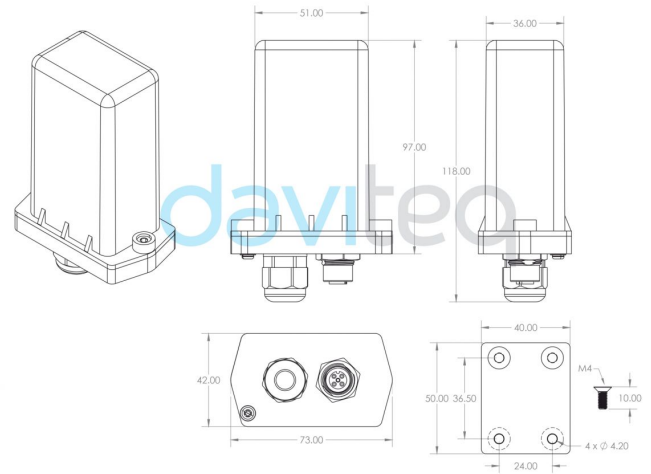**WIRING THE PT100 TEMPERATURE SENSOR**

WSSFC-PT100-H4.PNG

SYSTEM ARCHITECTURE

WSSFC-PT100-H5.PNG

DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)

WSSFC-PT100-H6.PNG

RECOMMENDED BATTERIES

E91 AA Alkaline battery

-18 .. + 60 oC working temperature

10-year shelf life

3000 mAH Capacity

Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature

20-year shelf life

3500 mAH Capacity

Price: 3.5X

WSSFC-PT100-H7.PNG

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WSSFC-PT100-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WSSFC-PT100-9-01	Sigfox PT100 input sensor, -200..+750°C, Internal antenna, Type AA battery 1.5VDC, IP67, RC2-RC3-RC4-RC5 zones
WSSFC-PT100-8-01	Sigfox PT100 input sensor, -200..+750°C, Internal antenna, Type AA battery 1.5VDC, IP67, RC1-RC6-RC7 zones