WIRELESS SENSOR DIGITAL INPUTS

daviteq

SKU: WS433-DI

DIGITAL INPUT - STATUS DETECTOR
WIRELESS SENSOR WS433-DI

1000m LOS

10-Year

IP67 WEATHERPROOF

CE FC ARIB

WS433-DI-H1.PNG

Wireless sensor with 2 channel digital inputs to detect logic status 0/1 OR counting pulses from proximity sensor, limit switch, machine output, pressure switch…It is configured the operation parameters like data sending interval, health check cycle...remotely from Globiots platform or via ModbusRTU software. The wireless module can last up to 10 years with a single AA battery.

✓ **RELIABLE & SECURED WIRELESS CONNECTION**
Sub-Ghz technology from Texas Instruments allows reliable wireless connection and secured data by AES-128

✓ **10-YEAR WITH A SINGLE BATTERY**
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology fromTexas Instruments allow the sensor can last up to 10 years with a single battery AA.

✓ **MULTIPLE FUNCTIONS**
Logic detecting or Pulse counting with non-volatile memory

✓ **LONG RANGE TRANSMISSION**
Narrow Band techniques & Sub-Ghz technology allow long distance transmisison at lowest energy consumption

DIGITAL INPUT - PULSE COUNTER
WIRELESS SENSOR WS433-DI

1000m LOS

10-Year

IP67 WEATHERPROOF

CE FC ARIB
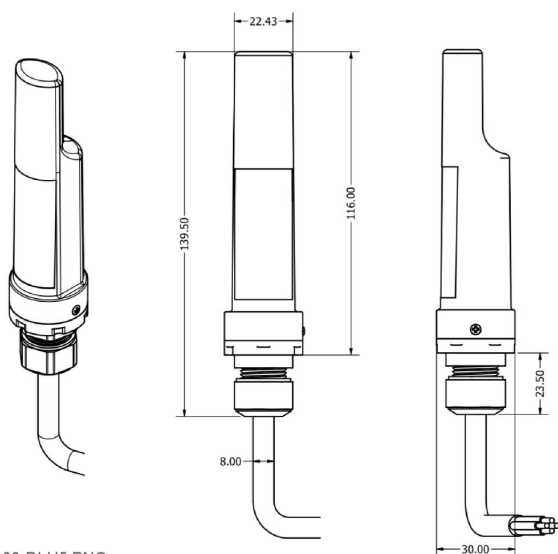
WS433-DI-H2.PNG

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SPECIFICATION

Input	2 channel Digital inputs with dry-contact or voltage input (max 3.3VDC)
Functions	Logic Detecting or Pulse Counting
Logic Detecting	Max frequency 2Hz, default Filter time 300mS, adjustable 1 .. 65535 mS
Pulse Counting	Max frequency 2Hz, default Filter time 100mS, adjustable 1 .. 65535 mS
Electrical connection	shielded cable 0.5m length with PG9 cable gland
Optional accessories	304SS Adapter PG9/male 1/2"NPT or PG13.5 or M20 to allow direct mounting on Process instruments or electrical panel
Data speed	Up to 50kbps
Tranmission distance, LOS	500m
Antenna	Internal Antenna, 3 dbi
Battery	01 x AA 1.5 - 3.6VDC, up to 10-year operation, depends on configuration
Frequency Band	ISM 433Mhz, Sub-GHz technology from Texas Instrument, USA
Receiving Sensitivity	-110dBm at 50kbps
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Security Standard	AES-128
Operating temperature of PCB	-40oC..+60oC (with AA L91 Energizer)
Housing	Poly-carbonate, IP67
Installation method	L-type bracket SUS304 , by M4 screws or double-sided 3M tape (included)
Product dimensions	125x30x30mm
Net weight (without battery)	< 100g
Box dimension	190x50x50mm
Gross weight	140g

DIMENSION DRAWINGS OF WS433 SENSOR WITH CABLE OUTPUT

22.43

139.50

116.00

23.50

8.00

30.00

WS433-DI-H5.PNG

CARTON BOX OF WIRELESS SENSOR

SIZE: DIA. 50MM X 180MM LENGTH

WS433-M12F-H6.PNG

PRODUCT PACKAGE INCLUDES

USER'S GUIDE

CARTON BOX

PRODUCT

BRACKET

M2 SCREWS

WS433-M12F-H7.PNG

RECOMMENDED BATTERIES for WIRELESS SENSOR WS433

E91 AA Alkaline battery

L91 AA Lithium battery

-18 .. + 60 oC working temperature

10-year shelf life

3000 mAH Capacity

Price: 1X

-40 .. + 60 oC working temperature

20-year shelf life

3500 mAH Capacity

Price: 3.5X

WS433-M12F-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WS433-DI-12	Wireless Sensor with 2 channel Digital inputs with dry-contact of voltage input max 3.3VDC, Logic detecting or Pulse counting IP67, battery AA 1.5 - 3.6VDC, shielded cable 0.5m length with PG9 cable gland