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WGW420 PLUS WIRELESS GATEWAY CONFIGURATION



WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

step 01

TEKON CONFIGURATOR SOFTWARE is only compatible with the Microsoft® Windows® Operating System.

01

Connect the antenna to the Gateway.



02

Wiring

Connect the power supply and then the *RS485-USB* cable to the *Gateway*.



Wire Indication:

Blue - GND; Brown - +24 VDC; Orange - Data+ (A); Black - GND; Yellow - Data - (B)

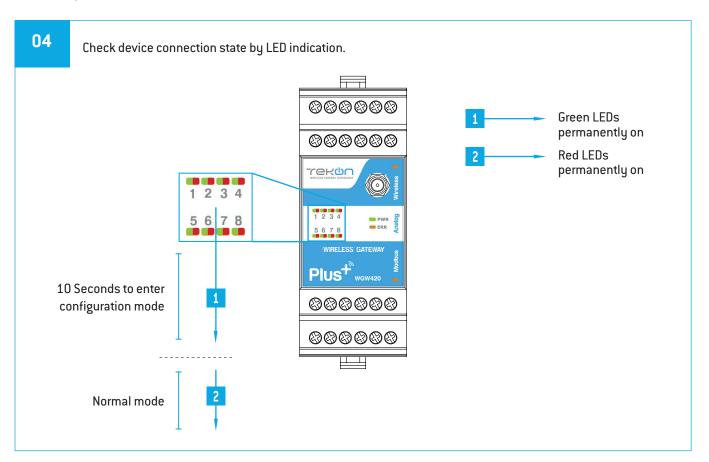
03

Power ON the device.

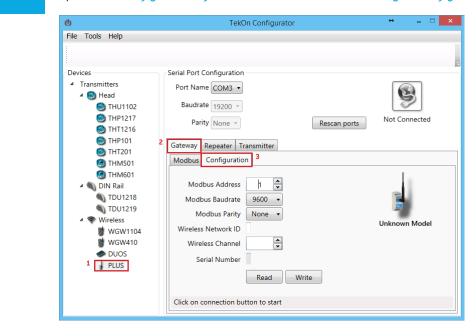




WGW420 PLUS WIRELESS GATEWAY CONFIGURATION



Open Tekon Configurator Software¹ and select PLUS >> Gateway >> Configuration



¹Tekon Configurator software is free of charge and available at <u>www.tekonelectronics.com</u>

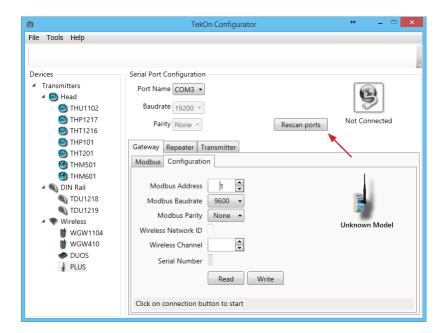


WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

step **01**

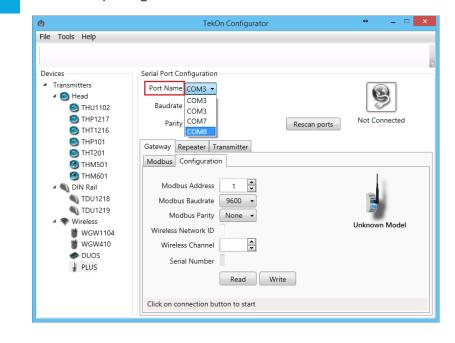
06

Select serial port corresponding to WGW420 PLUS Wireless Gateway Click on the *Rescan Ports* button.



07

Select corresponding Port name².



² You can check device's serial port name in "Device Manager" on Microsoft ® Windows® operating system.



WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

80

Perform a power cycle on the Gateway.



NOTE:



After power up, you have 10 seconds to enter configuration mode by clicking on Connect button () () (while green LEDs are permanently on).

In this mode, you can manage device parameters: *Modbus Address*, *Modbus Baudrate*, *Modbus Parity*, *Wireless Network ID* and *Wireless Channel*.

09

Click on *Connect* () button to enter configuration mode.



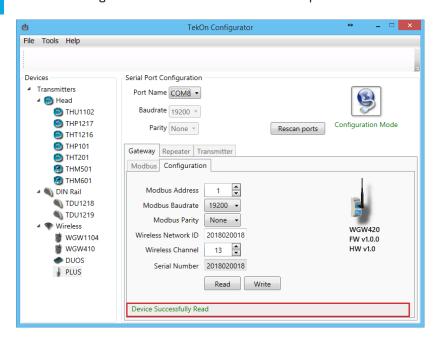


WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

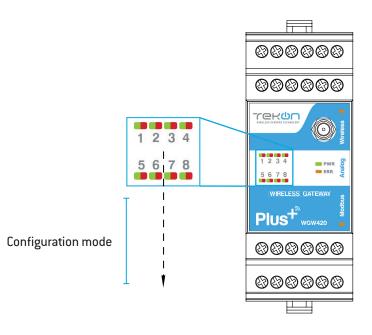
step **01**

09

The status string at the bottom of the software window provides feedback on ongoing operations.



You can also verify configuration mode activation by checking LEDs on the gateway.



- Green LEDs performing scan animation

4

NOTE:

When the 10-second time frame to enter configuration mode is exceeded, the LEDs will turn permanently red and the gateway will enter normal operation mode.

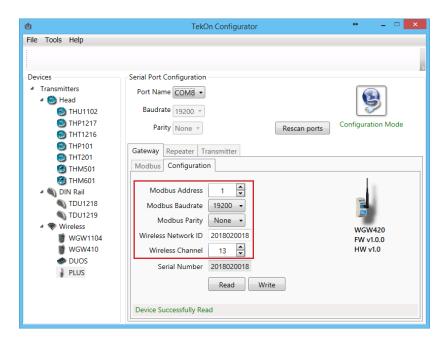
To get back in configuration mode, you need to perform a power cycle - step 8.



WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

10

Take note of device configuration data available, namely: *Modbus Address*, *Modbus Baudrate*, *Modbus Parity*, *Wireless Network ID* and *Wireless Channel*.



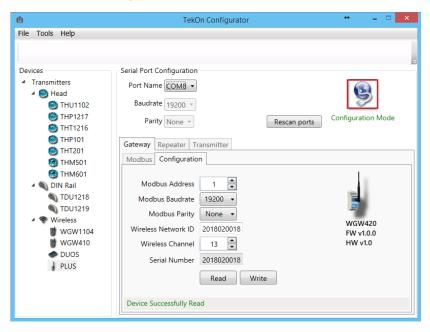


NOTE:

The wireless network connection between devices is ensured by setting the same *Wireless Network ID* and *Wireless Channel* parameters.

11

Click on Disconnect () button.





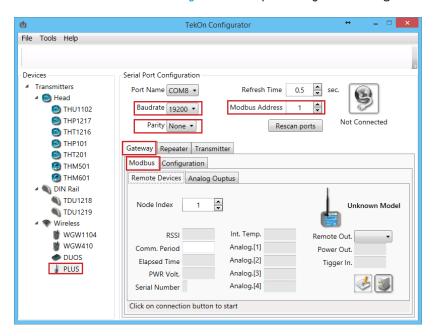
WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

step **01**

12

Modbus Communication

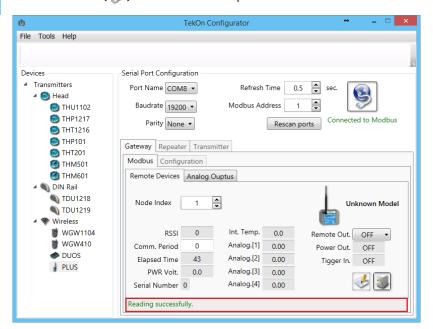
Select Modbus tab of the Gateway and set the previously saved configurations.



Ensure that *Port name*, *Baudrate*, *Parity* and *Modbus Address* fields are the same as those obtained in configuration mode.

13

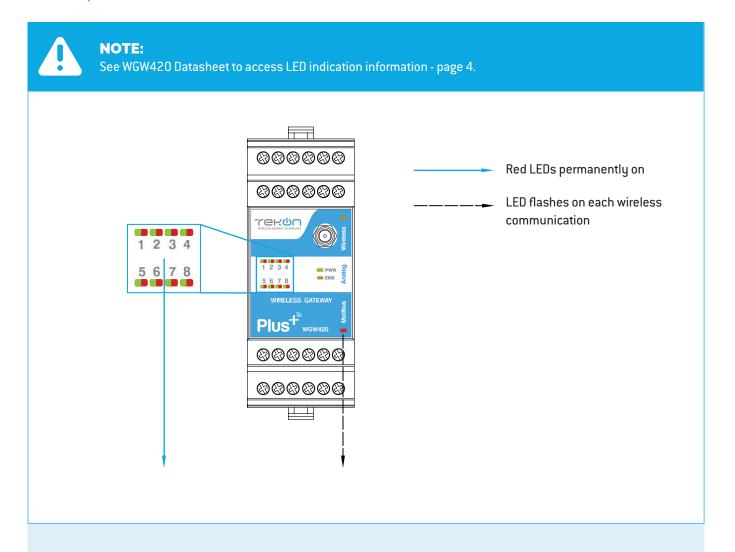
Click on Connect () button and check operation status at the bottom of the window.



The messages *Connected to Modbus* and *Reading successfully* will appear if *Serial Port* configuration parameters are correct and the Modbus connection is established.



WGW420 PLUS WIRELESS GATEWAY CONFIGURATION



TWP4AI PLUS WIRELESS TRANSMITTER CONFIGURATION



TWP4AI PLUS WIRELESS TRANSMITTER CONFIGURATION

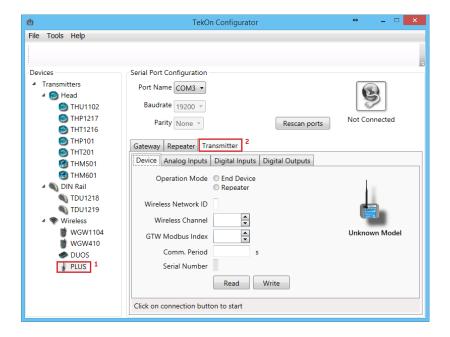
01 Loosen the 4 screws of the case and open it.



Connect a micro USB cable to the computer and then to TWP4AI PLUS Wireless Transmitter.



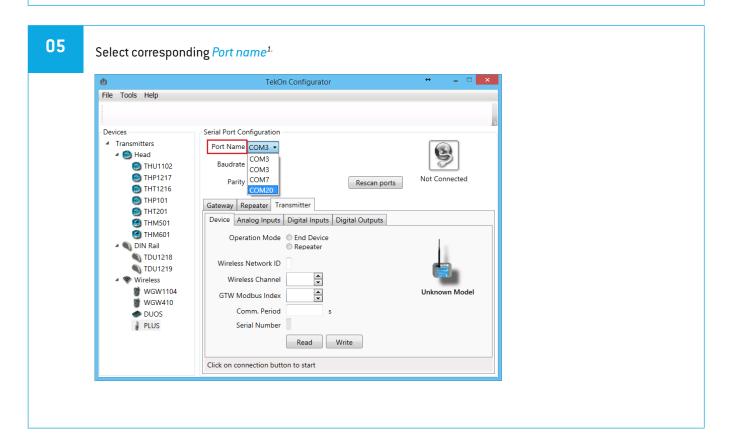
Open a new window of *Tekon Configurator Software* and select *PLUS* >> *Transmitter* menu.







04 Click on Rescan Ports button. TekOn Configurator File Tools Help Serial Port Configuration Devices ▲ Transmitters Port Name COM3 ▼ 4 🥙 Head Baudrate 19200 + THU1102 M THP1217 Not Connected Parity None + Rescan ports THT1216 THP101 Gateway Repeater Transmitter THT201 Device Analog Inputs | Digital Inputs | Digital Outputs M THM501 THM601 Operation Mode © End Device N DIN Rail N TDU1218 Wireless Network ID N TDU1219 ^ ~ Wireless Wireless Channel **WGW1104** GTW Modbus Index **WGW410** Comm. Period DUOS 🍩 PLUS Serial Number Read Write Click on connection button to start



¹ You can check device's serial port name in "Device Manager" on Microsoft® Windows® operating system.

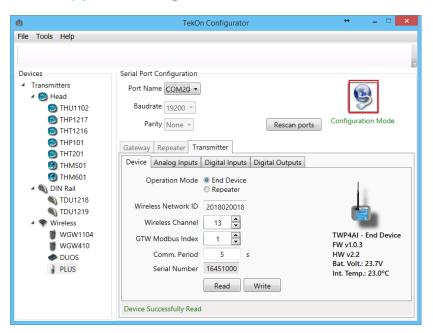
_

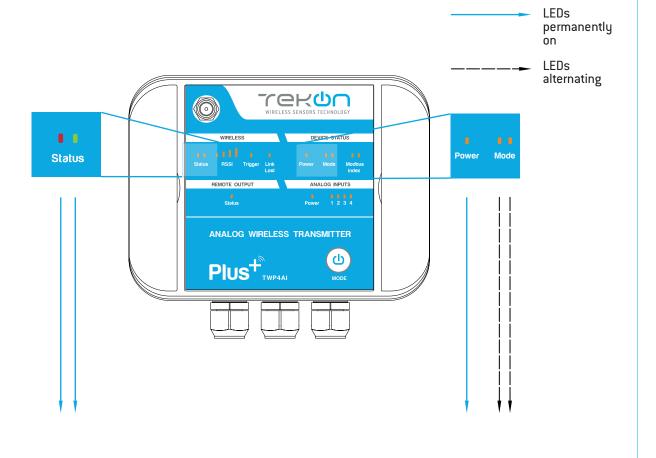


TWP4AI PLUS WIRELESS TRANSMITTER CONFIGURATION

06

Click on Configuration Mode () button.









07

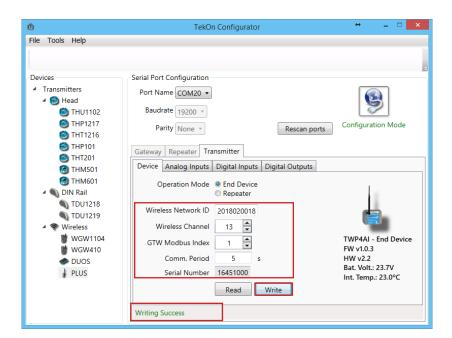
Configure Wireless Network ID and Wireless Channel previously obtained from Gateway.

The wireless connection between both devices is ensured by setting the same *Wireless Network ID* and *Wireless Channel* parameters.

Gateway Modbus Index will define the modbus registers window used to store information sent by the transmitter.

Each transmitter should have a different Gateway Modbus Index in order to avoid information override.

Click on Write button to update Transmitter settings.

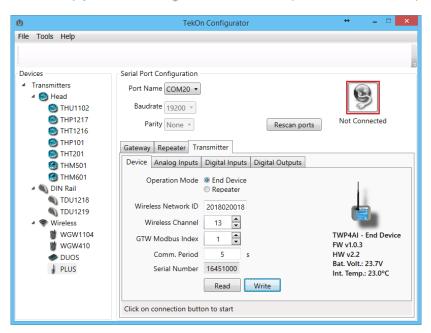


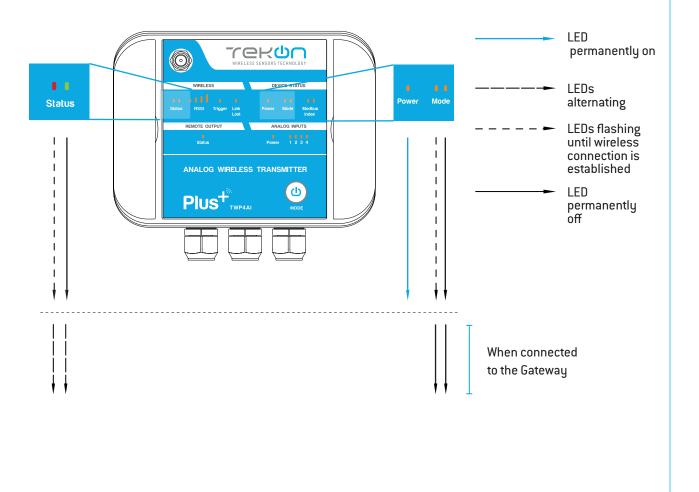




08

Click on Configuration Mode () button to exit setup and resume normal operating mode.









After clicking on *Disconnect* button, the device will permanently attempt to connect to a wireless network. If there is no communication, the Status LED flashes slowly and the Mode LED flashes quickly. When there's a successful connection directly to a wireless network, both status LEDs alternate quickly - during 1 minute if the transmitter is operating as end device or permanently if operating as repeater.



NOTE:

Make sure that the devices are at a distance of at least 3 meters or remove the antenna from the gateway (in case both devices are near each other).

Step

3
TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION



TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION





NOTE:

By default, analog inputs are switched OFF for power optimization.

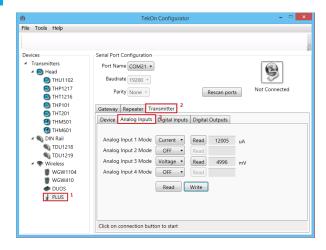
Each analog input can be configured independently, as current input [0..20mA] or voltage input [0..10V]

01

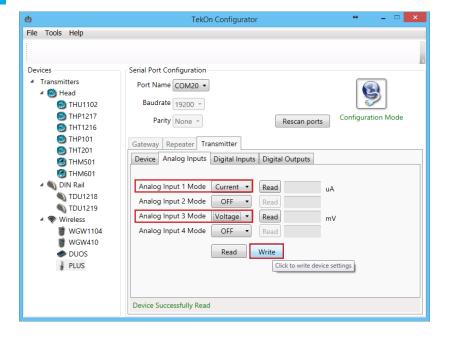
To enter in *Configuration Mode* follow steps 01 to 05 of TWP4AI PLUS Wireless *Transmitter* Configuration.

02

In Tekon Configurator Software select PLUS >> Transmitter >> Analog Inputs menu



Select *Current* option on Analog Input 1 and *Voltage* option on Analog Input 3 operation mode and click *Write*.



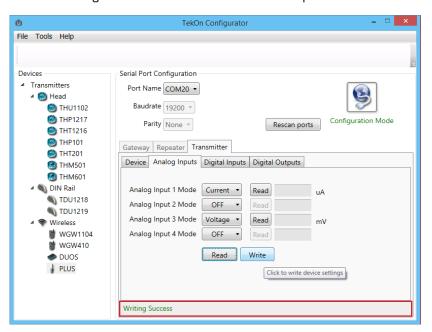


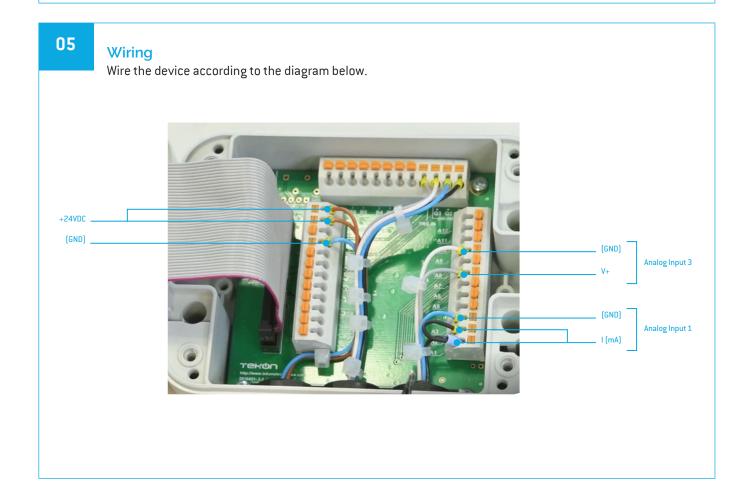


TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION

04

The status string at the bottom of the software window provides feedback on ongoing operations.





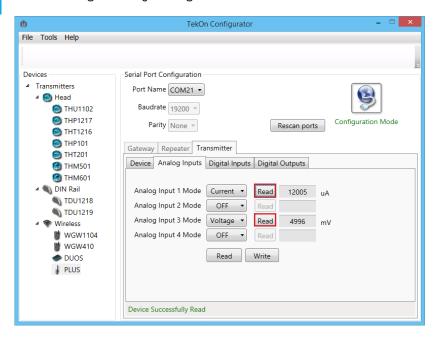


TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION



06

Validate configuration by clicking on Read button.





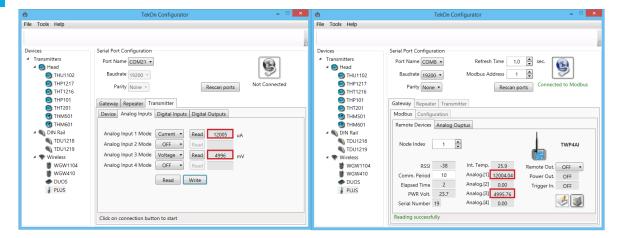
NOTE:

Configuration and Operation validated.

Measured value of current and voltage depend on the setup. In this example 12mA (12000uA) and 5V (5000 mV) are being injected.

07

Exit configuration mode and compare data sent by wireless communication.



step

TWP4AI TRANSMITTER DIGITAL INPUT CONFIGURATION



TWP4AI TRANSMITTER DIGITAL INPUT CONFIGURATION





NOTE:

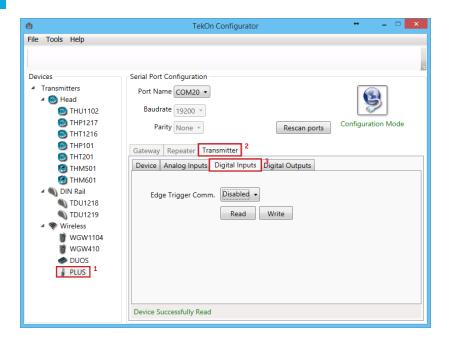
Sink type Digital Input.

01

To enter in *Configuration Mode* follow steps 01 to 05 of TWP4AI PLUS Wireless *Transmitter* Configuration.

02

In Tekon Configurator Software select PLUS >> Transmitter >> Digital Inputs menu.

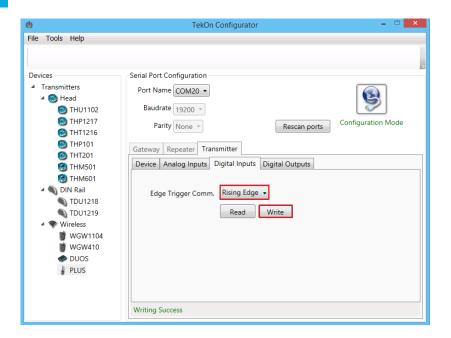




TWP4AI TRANSMITTER DIGITAL INPUT CONFIGURATION

03

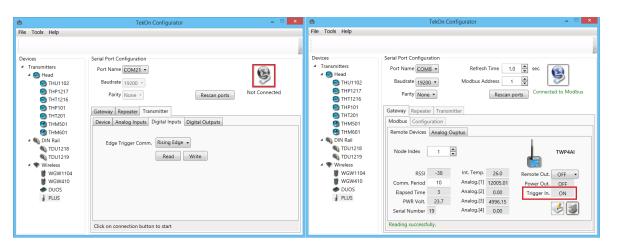
Select Operation Mode Rising Edge and click on Write button.



04

Validate functionality and click on Disconnect button.

Wait for the device to connect to the Gateway and observe data in Tekon Configurator window.



Step
TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION





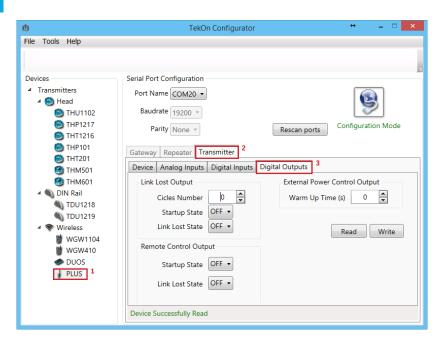
TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

01

To enter in Configuration Mode follow steps 01 to 05 of TWP4AI PLUS Wireless Transmitter Configuration.

02

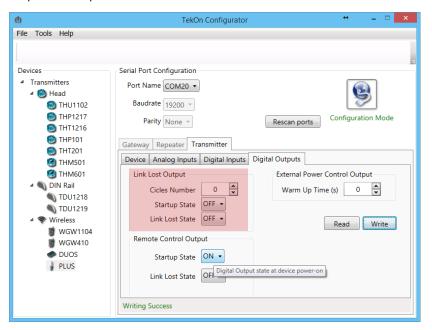
In Tekon Configurator Software select PLUS >> Transmitter >> Digital Outputs menu



03

Link Lost Output

Output that outputs wireless connection state of the device.





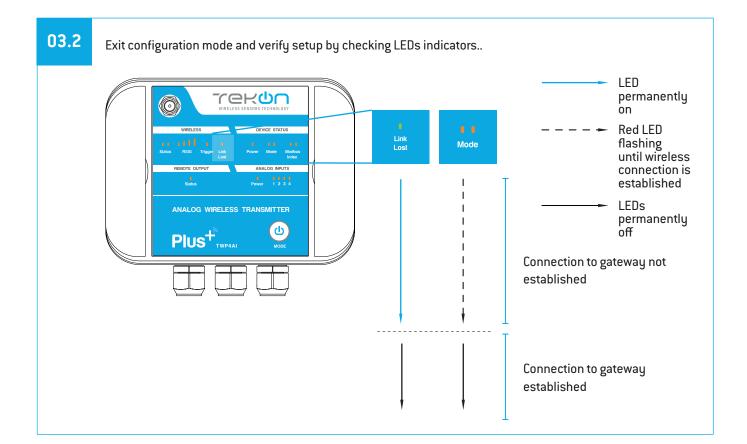
TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION



03.1

Select cycle number, start-up state and link lost state and click on Write button.







TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

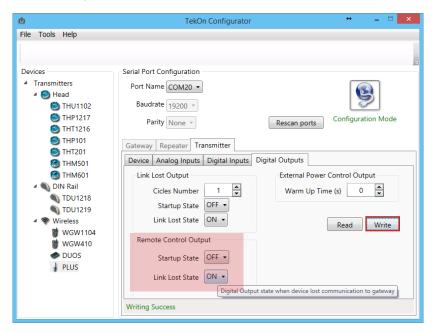
04

Remote Control Output

Digital output remotely controlled by Gateway modbus protocol.

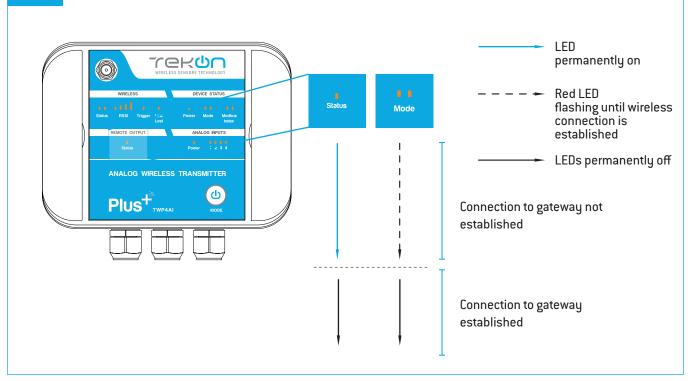
04.1

Define Start-up state and Link lost state. Click on Write button.



04.2

Exit configuration mode and verify setup by checking LEDs indicators.



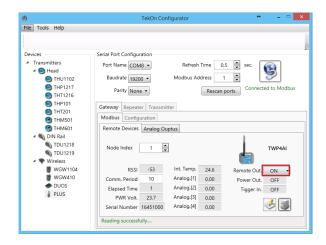


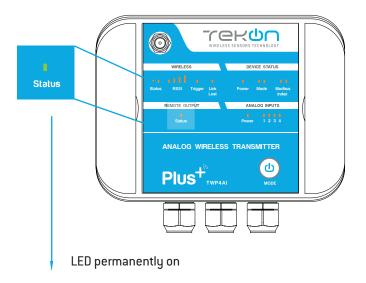
TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION



04.3

Using the Tekon Configurator you can change the State of Remote Output by setting the modbus register on the gateway. The Gateway will send the information in the next time the transmitter performs a communication.





05

External Power Control Output

Time configurable output to power on an external device before data acquisition and transmission.

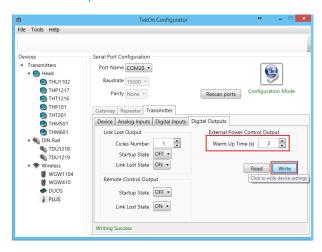


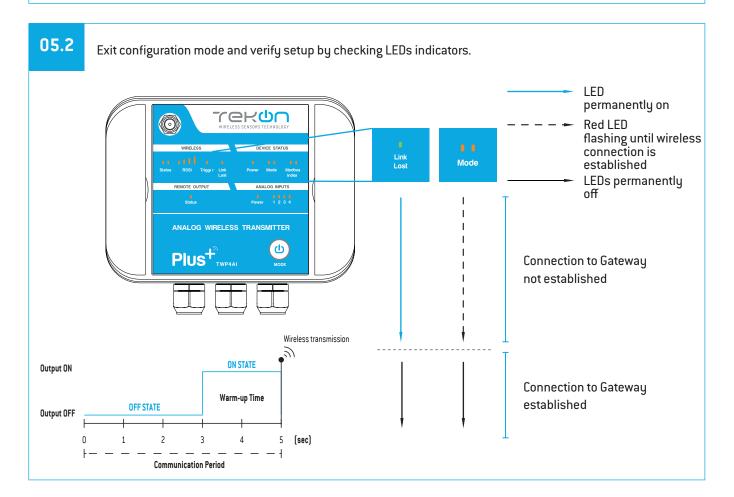


TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

05.1

Define Warm up time and click on the Write button.







NOTE

Diagram only applies after the transmitter and gateway are connected.

of the step of the

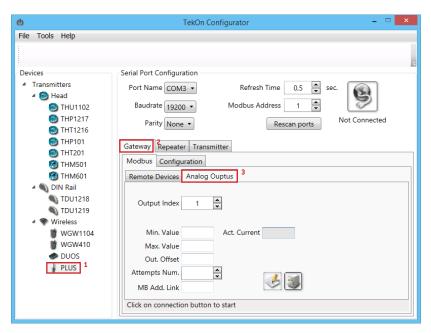
WGW420 GATEWAY ANALOG OUTPUTS CONFIGURATION



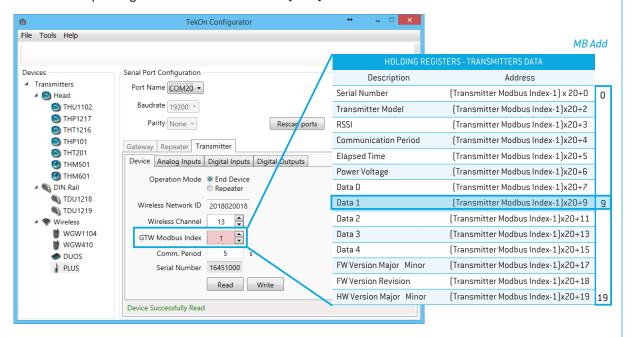
of GATEWAY ANALOG OUTPUTS

Follow steps 06 and 07 of the PLUS Wireless *Gateway* Configuration.

02 In Tekon Configurator Software select PLUS >> Gateway >> Analog Outputs menu



Considering the transmitter configuration with GTW Modbus Index=1, there is a Gateway Modbus Address Window corresponding to Modbus address window [0-19].





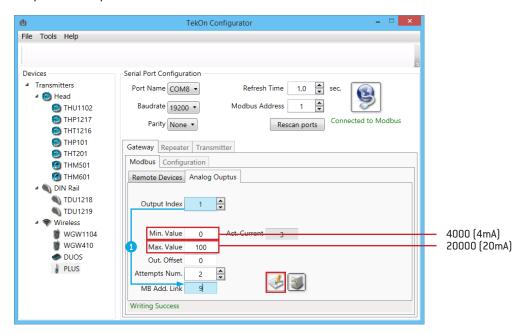
NOTE:



GATEWAY ANALOG OUTPUTS 06

04

Link Analog Output Index 1 (Gateway) to Analog Input 1 (Transmitter) and configure MB Add Link according to the previous step. Set minimum and maximum values and click on Write

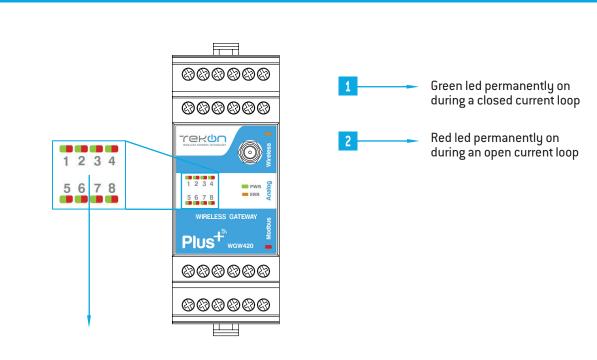




NOTE:

① Output index 1 is linked to modbus address [9], according to mapping table of step 03.

Modbus address double word (float 32) value is converted into 4..20 mA scale according to minimum and maximum defined values.



Step

WRP001 PLUS WIRELESS REPEATER CONFIGURATION



CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER



01

Loosen the 4 screws of the case and oppen it.

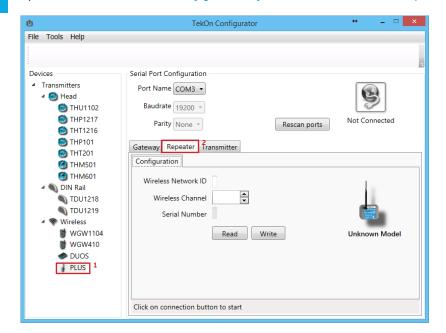


Connect a micro USB cable to the computer and then to WRP001 PLUS Wireless Repeater.



03

Open a new window of Tekon Configurator Software and select PLUS >> Repeater menu.

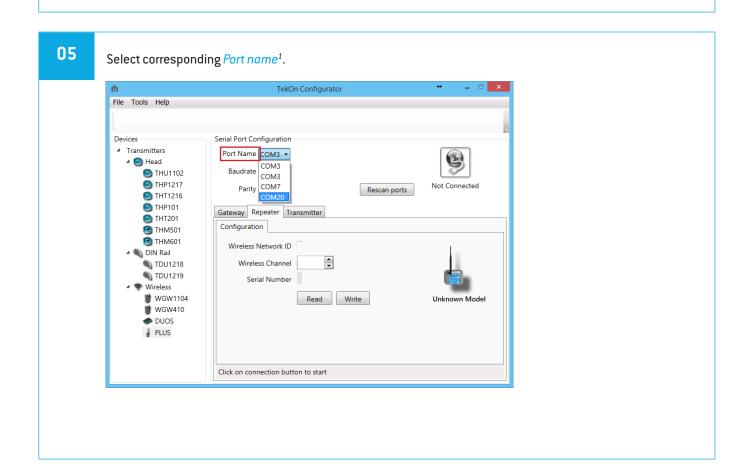




o7

CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER

04 Click on Rescan Ports button. TekOn Configurator File Tools Help Serial Port Configuration Devices ▲ Transmitters Port Name COM3 ▼ 4 🥙 Head Baudrate 19200 🔻 THU1102 THP1217 Not Connected Parity None 🔻 Rescan ports THT1216 THP101 Gateway Repeater Transmitter THT201 Configuration M THM501 THM601 Wireless Network ID N DIN Rail **^ N** TDU1218 Wireless Channel N TDU1219 Serial Number Wireless **WGW1104** Read Write **WGW410** DUOS PLUS Click on connection button to start

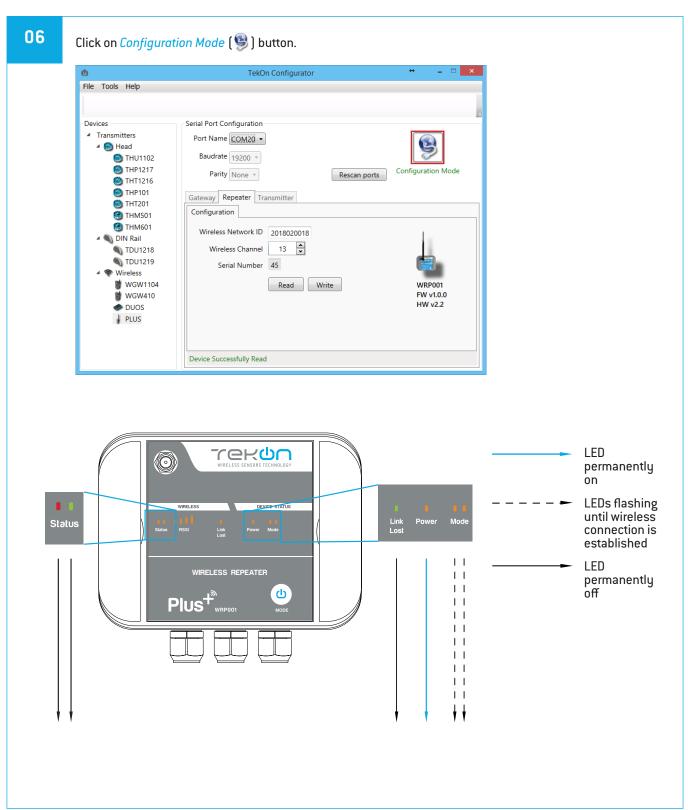


¹ You can check device's serial port name in "Device Manager" on Microsoft® Windows® operating system.



CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER





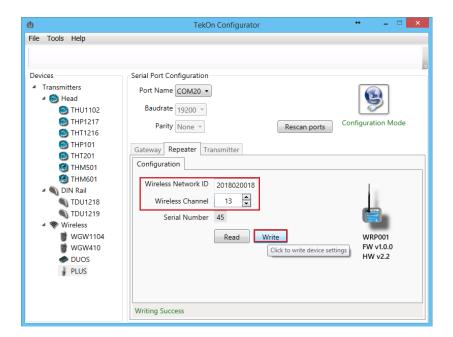


CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER

07

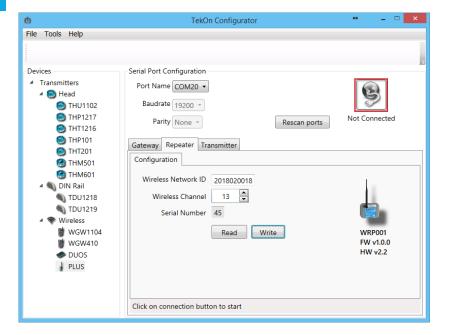
Configure Wireless Network ID and Wireless Channel previously obtained from Gateway.

Click on Write button to update Transmitter settings.



08

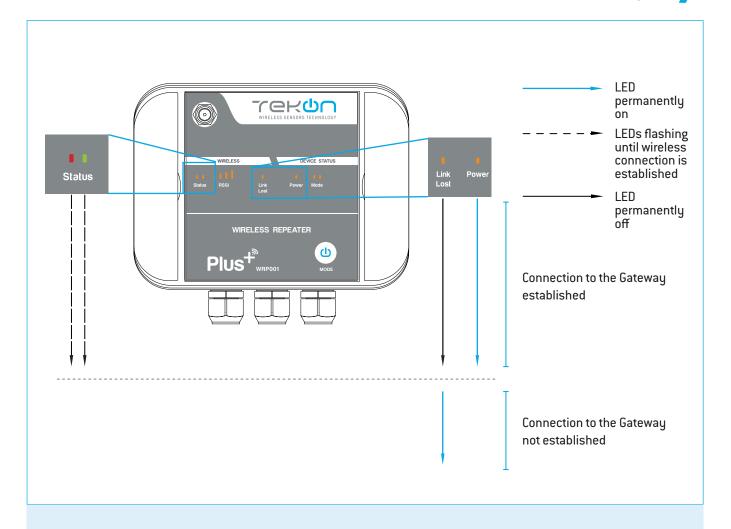
Click on *Configuration Mode* () button to exit setup and resume normal operating mode.





CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER











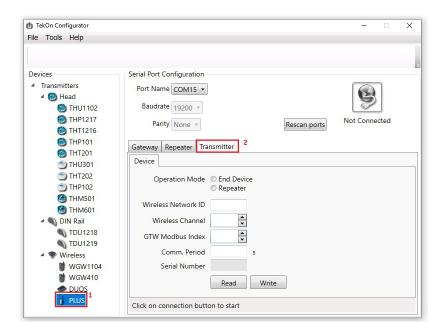
Connect the antenna and sensor connectors to the TWPH-1UT PLUS Wireless Transmitter.



Connect the micro USB cable to the computer and then to TWPH-1UT PLUS Wireless
Transmitter.



Open a new window of *Tekon Configurator Software* and select *PLUS* >> *Transmitter* menu.

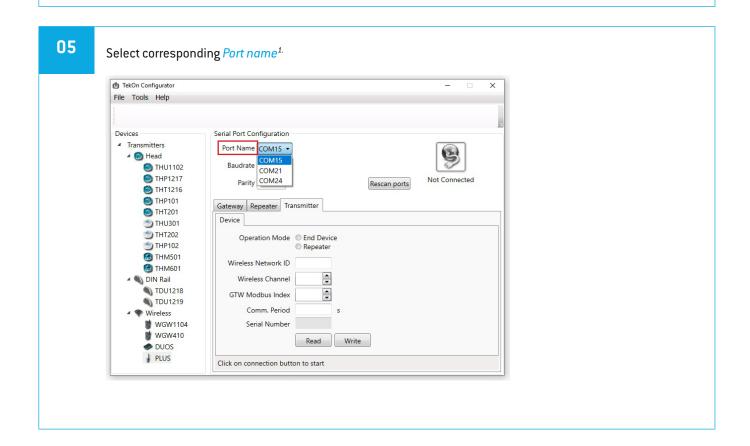




ostep 08

TWPH-1UT PLUS WIRELESS TEMPERATURE TRANSMITTER CONFIGURATION

04 Click on Rescan Ports button. ₫ TekOn Configurator × File Tools Help Serial Port Configuration Devices ▲ Transmitters Port Name COM15 ▼ Baudrate 19200 + M THU1102 (A) THP1217 Not Connected Parity None * Rescan ports **(2)** THT1216 THP101 Gateway Repeater Transmitter THT201 Device **THU301 THT202** Operation Mode © End Device ** THP102 M THM501 Wireless Network ID M THM601 * * ▲ N DIN Rail Wireless Channel **■ TDU1218** GTW Modbus Index **TDU1219** Comm. Period Wireless **WGW1104** Serial Number **WGW410** Read Write DUOS PIUS Click on connection button to start



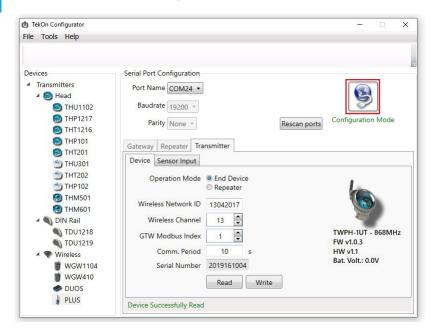
¹ You can check device's serial port name in "Device Manager" on Microsoft® Windows® operating system.



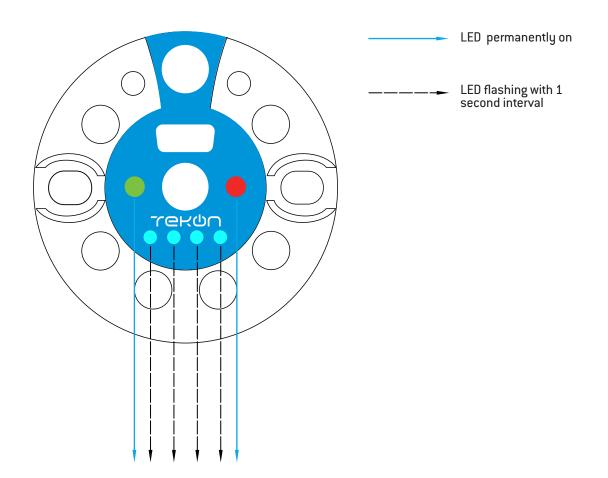
ostep 08

06

Click on Configuration Mode () button.



When the TWPH-1UT Transmitter is in Configuration Mode, all LEDs are active but with different behaviours.







07

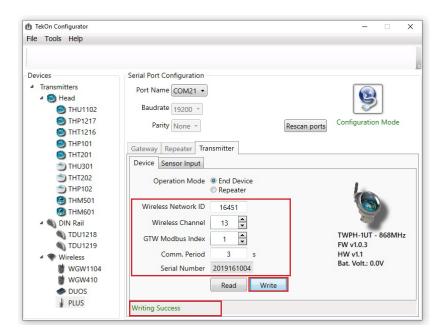
Configure Wireless Network ID and Wireless Channel previously obtained from Gateway.

The wireless connection between both devices is ensured by setting the same *Wireless Network ID* and *Wireless Channel* parameters.

Gateway Modbus Index will define the modbus registers window used to store information sent by the transmitter.

Each transmitter should have a different Gateway Modbus Index in order to avoid information override.

Click on Write button to update Transmitter settings.





O8

08 Click on Sensor Input tab. ₫ TekOn Configurator File Tools Help Devices Serial Port Configuration ▲ Transmitters Port Name COM24 ▼ ▲ 🎒 Head Baudrate 19200 + THU1102 THP1217 Configuration Mode Parity None * Rescan ports THT1216 THP101 Gateway Repeater Transmitter THT201 Device Sensor Input THU301 **THT202** Transmitter Description TekOnElectronics THM501 Sensor Type PT100 3W ▼ **(3)** THM601 DIN Rail TDU1218 **TDU1219** FW v1.0.3 35.0 Wireless °C Bat. Volt.: 0.0V Internal Temperature 24.1 **WGW1104 WGW410** Read Write **DUOS ₽LUS** Writing Success

09 Select the Sensor Type you will use. ★ TekOn Configurator File Tools Help Serial Port Configuration ▲ Transmitters Port Name COM24 ▼ Baudrate 19200 + THU1102 THP1217 Parity None + Rescan ports Configuration Mode THT1216 THP101 Gateway Repeater Transmitter THT201 Device Sensor Input ** THU301 **THT202** ** THP102 TekOnElectronics Transmitter Description THM501 Sensor Type PT100 3W ▼ THM601 PT100 2W OIN Rail TDU1218 TWPH-1UT - 868MHz PT100 4W TDU1219 FW v1.0.3 Sensor temperature Thermocouple K HW v1.1 Wireless Thermocouple J Internal Temperature Bat. Volt.: 0.0V ₩ WGW1104 ₩ WGW410 Thermocouple T Thermocouple S Thermocouple R DUOS **₽LUS** Thermocouple N Writing Success

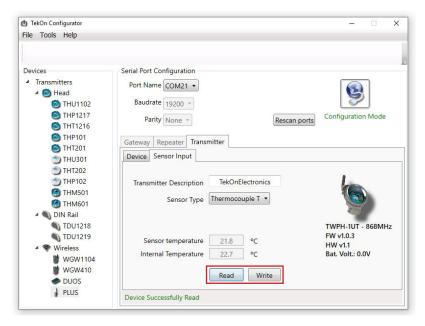


o8

TWPH-1UT PLUS WIRELESS TEMPERATURE TRANSMITTER CONFIGURATION

10

Click on *Write* button to update the *Transmitter* settings.
Click on *Read* button to read the sensor and internal temperature.



Click on Configuration Mode () button to exit from configuration mode to normal operating mode.





O8

After clicking on *Disconnect* button, the device will permanently attempt to connect to a wireless network. If there is no communication, the red LED flashes slowly until the connection occurs or by 1 minute. When there's a successful connection directly to a wireless network, both status LEDs alternate quickly - during 1 minute if the transmitter is operating as end device or permanently if operating as repeater.



NOTE:

Make sure that the devices are at a distance of at least 3 meters or remove the antenna from the gateway (in case both devices are near each other).

O9

TWP-4AI4DI1UT PLUS WIRELESS TRANSMITTER CONFIGURATION





01

Loosen the 4 screws of the case and open it.



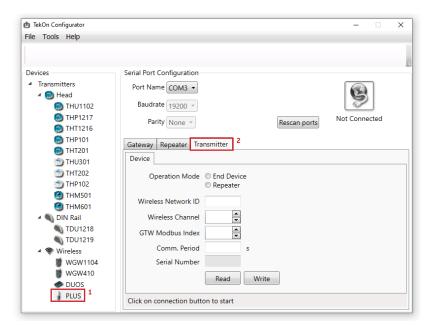
02

Connect a micro USB cable to the computer and then to TWP-4AI4DI1UT PLUS Wireless Transmitter.



03

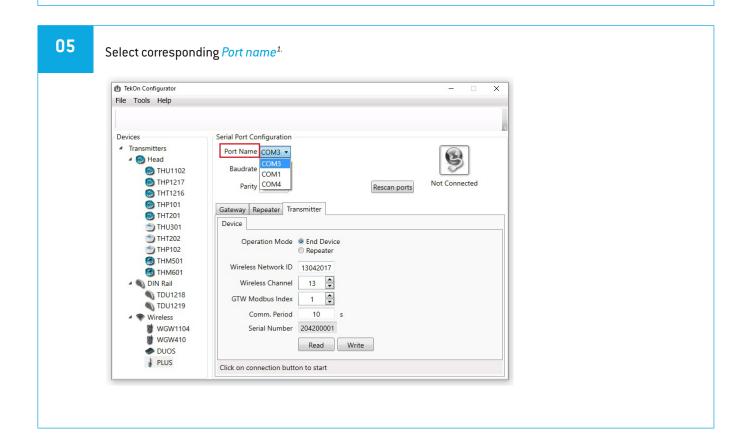
Open a new window of *Tekon Configurator Software* and select *PLUS* >> *Transmitter* menu.







04 Click on Rescan Ports button. ₫ TekOn Configurator File Tools Help Devices Serial Port Configuration ■ Transmitters Port Name COM3 ▼ Head Baudrate 19200 + THU1102 THP1217 Parity None * Rescan ports THT1216 THP101 Gateway Repeater Transmitter THT201 Device ▼ THU301 THT202 Operation Mode © End Device ** THP102 Repeater THM501 Wireless Network ID THM601 ^ ~ ▲ 🌑 DIN Rail N TDU1218 GTW Modbus Index ^ ~ **TDU1219** Comm. Period Wireless **WGW1104** Serial Number **WGW410** Read Write DUOS 🍩 **₽LUS** Click on connection button to start



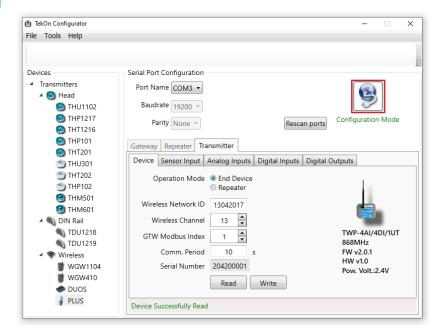
¹ You can check device's serial port name in "Device Manager" on Microsoft® Windows® operating system.

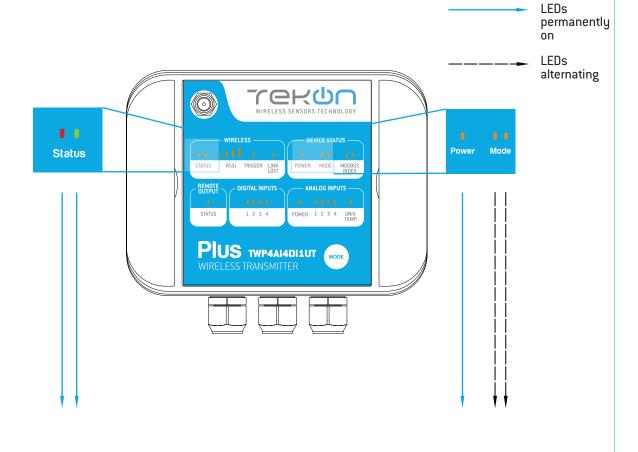




06

Click on Configuration Mode () button.









07

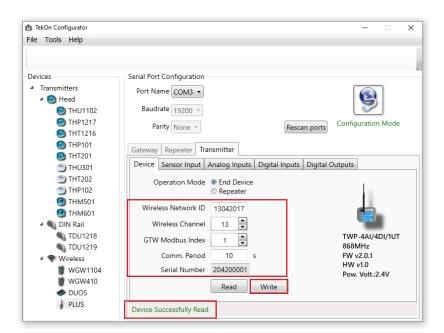
Configure Wireless Network ID and Wireless Channel previously obtained from Gateway.

The wireless connection between both devices is ensured by setting the same *Wireless Network ID* and *Wireless Channel* parameters.

Gateway Modbus Index will define the modbus registers window used to store information sent by the transmitter.

Each transmitter should have a different *Gateway Modbus Index* in order to avoid information override.

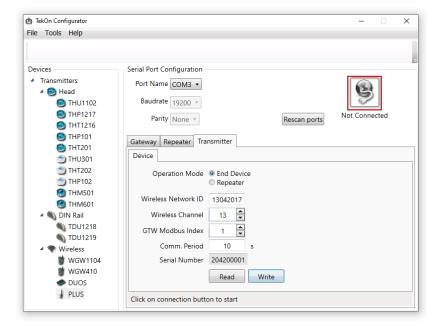
Click on Write button to update Transmitter settings.

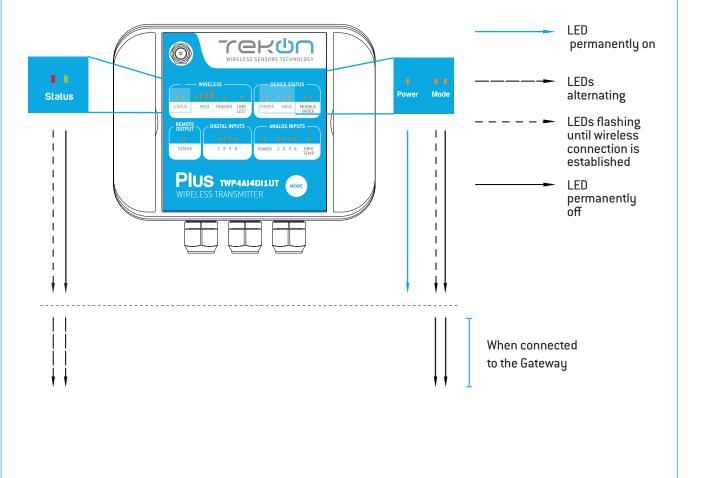






Click on Configuration Mode () button to exit setup and resume normal operating mode.









After clicking on *Disconnect* button, the device will permanently attempt to connect to a wireless network. If there is no communication, the Status LED flashes slowly and the Mode LED flashes quickly. When there's a successful connection directly to a wireless network, both status LEDs alternate quickly - during 1 minute if the transmitter is operating as end device or permanently if operating as repeater.



NOTE:

Make sure that the devices are at a distance of at least 3 meters or remove the antenna from the gateway (in case both devices are near each other).

10

TWP-4AI4DI1UT TRANSMITTER ANALOG INPUT CONFIGURATION





TWP-4AI4DI1UT TRANSMITTER ANALOG INPUT CONFIGURATION



NOTE:

By default, analog inputs are switched OFF for power optimization.

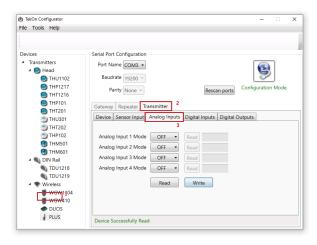
Each analog input can be configured independently, as current input [0..20mA] or voltage input [0..10V]

01

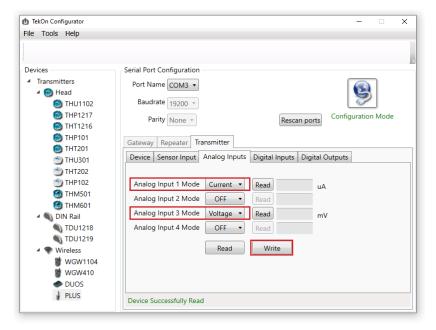
To enter in *Configuration Mode* follow steps 01 to 06 of TWP-4AI4DI1UT PLUS Wireless *Transmitter* Configuration.

02

In Tekon Configurator Software select PLUS >> Transmitter >> Analog Inputs menu



O3 Select *Current* option on Analog Input 1 and *Voltage* option on Analog Input 3 operation mode and click *Write*.

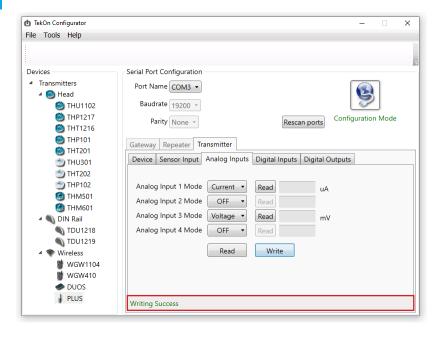


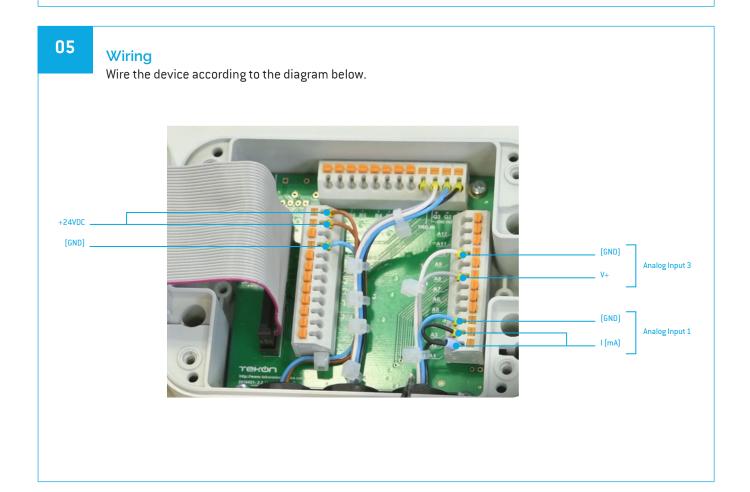


TWP-4AI4DI1UT TRANSMITTER ANALOG INPUT CONFIGURATION

10

The status string at the bottom of the software window provides feedback on ongoing operations.





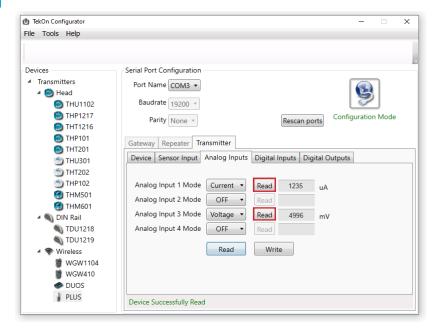


10

TWP-4AI4DI1UT TRANSMITTER ANALOG INPUT CONFIGURATION

06

Validate configuration by clicking on *Read* button.





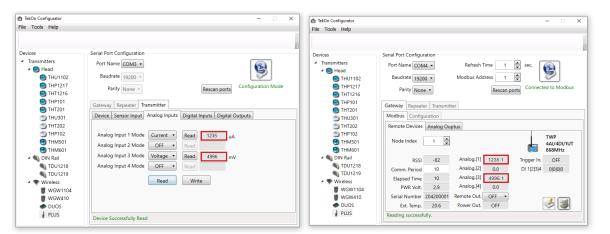
NOTE:

Configuration and Operation validated.

Measured value of current and voltage depend on the setup. In this example 12mA (12000uA) and 5V (5000 mV) are being injected.

07

Exit configuration mode and compare data sent by wireless communication.



TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUTS CONFIGURATION





TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUT CONFIGURATION



NOTE:

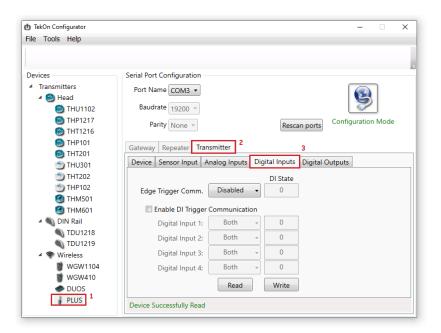
Sink type Digital Input. Configuration of Digital Input Trigger.

01

To enter in Configuration Mode follow steps 01 to 06 of TWP-4AI4DI1UT PLUS Wireless Transmitter Configuration

02

In Tekon Configurator Software select PLUS >> Transmitter >> Digital Inputs menu.



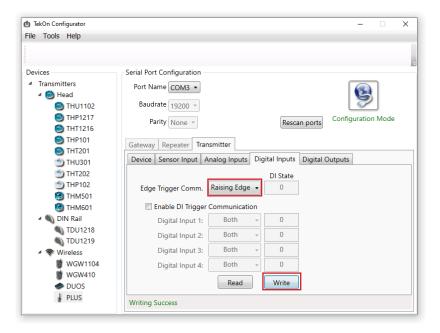


TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUT CONFIGURATION

step **11**

03

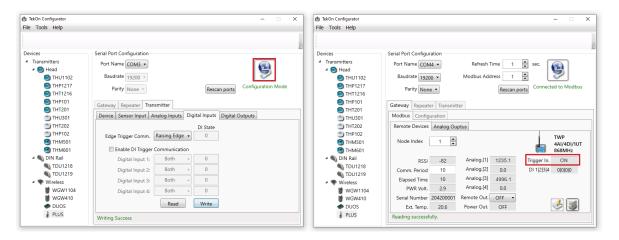
Select Operation Mode Raising Edge and click on Write button.



04

Validate functionality and click on Disconnect button.

Wait for the device to connect to the Gateway and observe data in Tekon Configurator window.





TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUT CONFIGURATION

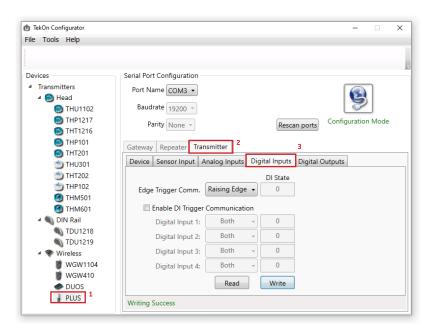


NOTE:

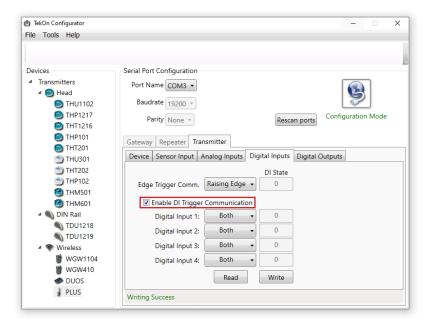
Digital Inputs configuration

05

In Tekon Configurator Software select PLUS >> Transmitter >> Digital Inputs menu.



O6 Click on the checkbox Enable DI Trigger Communication to enable the digital inputs configuration.

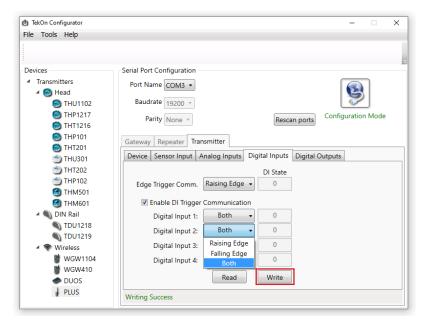




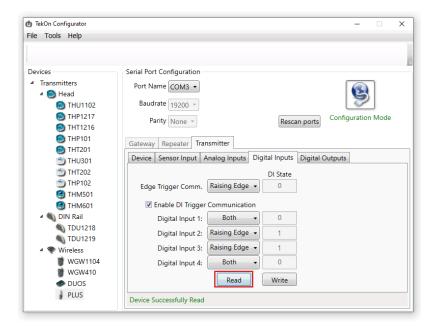
TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUT CONFIGURATION

step **11**

Select the Event Trigger for each connected digital input and click on Write button



Change the digital input state and click on *Read* to check the state of the digital inputs.





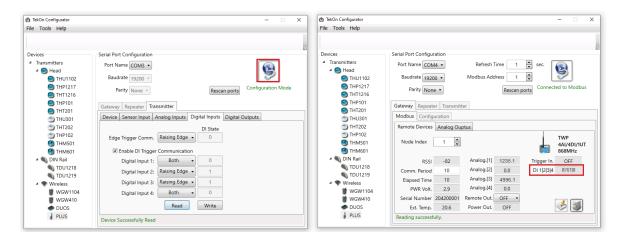
TWP-4AI4DI1UT TRANSMITTER DIGITAL INPUT CONFIGURATION

09

Validate functionality and click on Disconnect button.

Wait for the device to connect to the Gateway and observe data in Tekon Configurator window.

Trigger an event on your digital inputs and observe an earlier communication and the state of each Digital Input.



TWP-4AI4DI1UT TRANSM. UNIV. TEMPERATURE INPUT CONFIGURATION



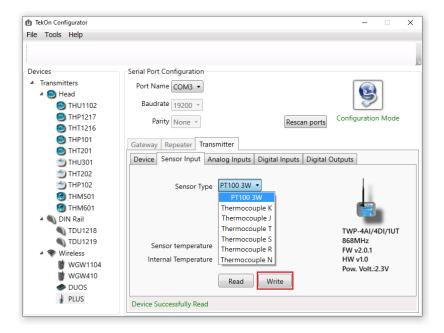
TWP-4AI4DI1UT TRANSMITTER UNIVERSAL TEMPERATURE INPUT CONFIGURATION

To enter in *Configuration Mode* follow steps 01 to 06 of TWP-4AI4DI1UT PLUS Wireless *Transmitter* Configuration

In Tekon Configurator Software select PLUS >> Transmitter >> Sensor Input menu.



Select the Sensor Type connected to the transmitter universal temperature input and click on Write button.



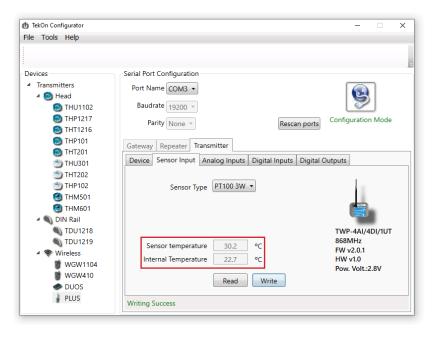


TWP-4AI4DI1UT TRANSMITTER UNIVERSAL TEMPERATURE INPUT CONFIGURATION

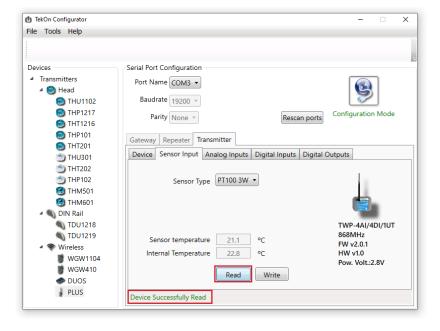
step **12**

04

You can check the Sensor Temperature and Internal Temperature from the transmitter.



O5 Click on *Read* button to update the temperature readings and wait for the read success message.





NOTE:

If the readed value is "65535", please check the presence of temperature probe and its connection.

13

TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION



TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

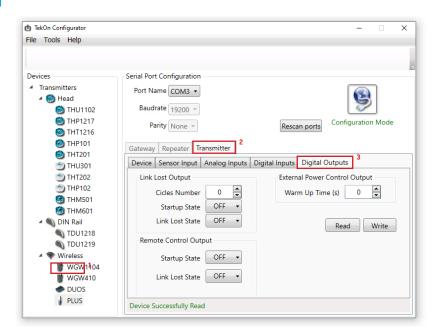


01

To enter in Configuration Mode follow steps 01 to 06 of TWP-4AI4DI1UT PLUS Wireless Transmitter Configuration

02

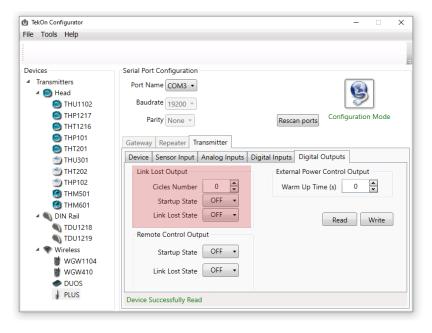
In Tekon Configurator Software select PLUS >> Transmitter >> Digital Outputs menu



03

Link Lost Output

Output that outputs wireless connection state of the device.





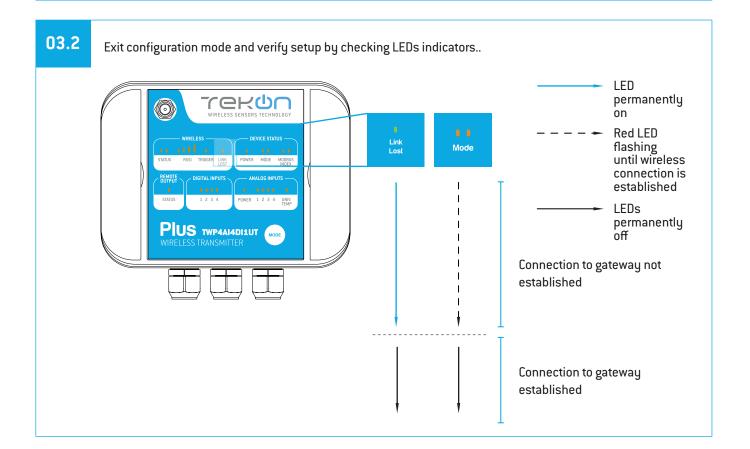
13

TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

03.1

Select cycle number, start-up state and link lost state and click on Write button.







TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

step **13**

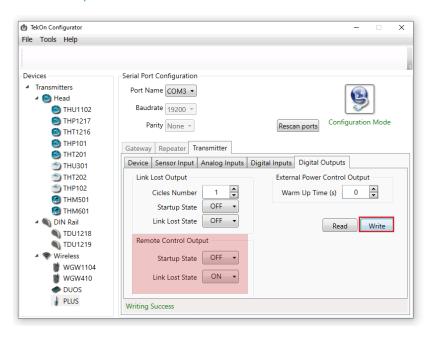
04

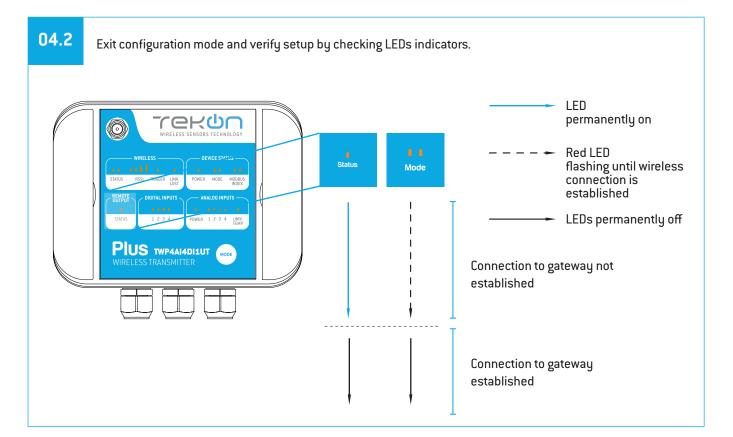
Remote Control Output

Digital output remotely controlled by Gateway modbus protocol.

04.1

Define Start-up state and Link lost state. Click on Write button.





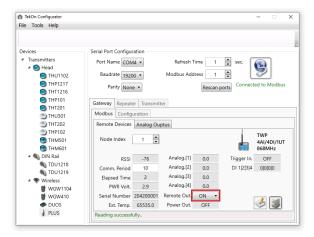


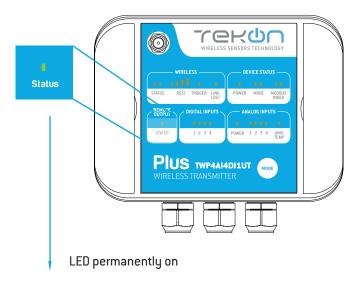
13

TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

04.3

Using the Tekon Configurator you can change the State of Remote Output by setting the modbus register on the gateway. The Gateway will send the information in the next time the transmitter performs a communication.





05

External Power Control Output

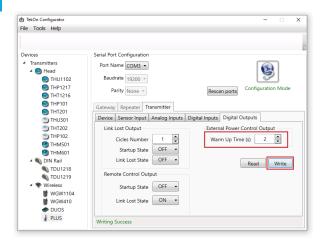
Time configurable output to power on an external device before data acquisition and transmission.

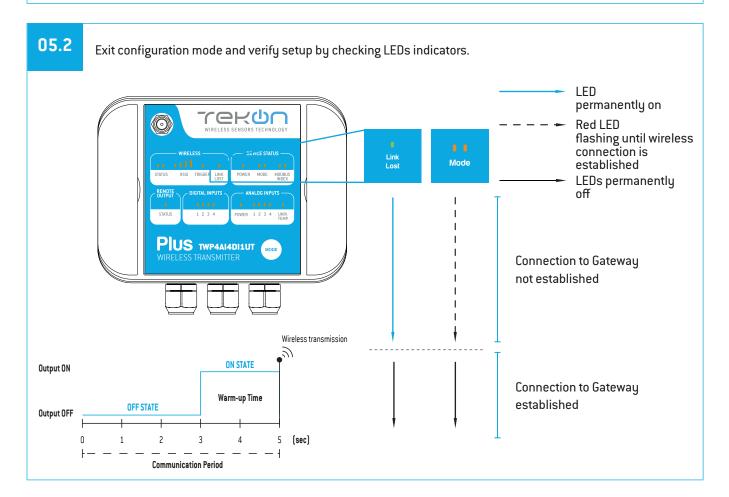


TWP-4AI4DI1UT TRANSMITTER DIGITAL OUTPUTS CONFIGURATION

step **13**

O5.1 Define *Warm up time* and click on the *Write* button.







NOTE:

Diagram only applies after the transmitter and gateway are connected.

step

14
SITE SURVEY MODE



Refers to following devices: TWP4AI Transmitter, TWP-4AI4DI1UT Transmitter, WRP001 Repeater and TWPH-1UT Transmitter.

Site survey mode is a tool that allows a quick wireless signal strength evaluation at the site of installation. It doesn't require additional equipment or software.

01 Press and hold Mode (1) button untill Status LEDs are permanently on and Mode LEDs flash. RSSI LEDs indicate the signal strength. LED permanently on rekun LED flashing until wireless connection is established **RSSI** \perp WIRELESS REPEATER -1 -1**Connection Lost** 1 1 1 1 LOW MEDIUM Connection to the Gateway established RSSI communication level GOOD **EXCELLENT**

02

Press and hold Mode (1) button untill RSSI LEDs switch off and device resumes normal operation mode.



14

SITE SURVEY MODE

03 Press and hold operations button for 3 seconds. Red and green LEDs will stay on. Blue LEDs indicate the signal strength. Operations button LED permanently on rekun LED flashing RSSI communication level LOW MEDIUM GOOD

04

Press and hold operations button for 3 seconds to exit Site Survey Mode and activate normal operation mode.

EXCELLENT

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