



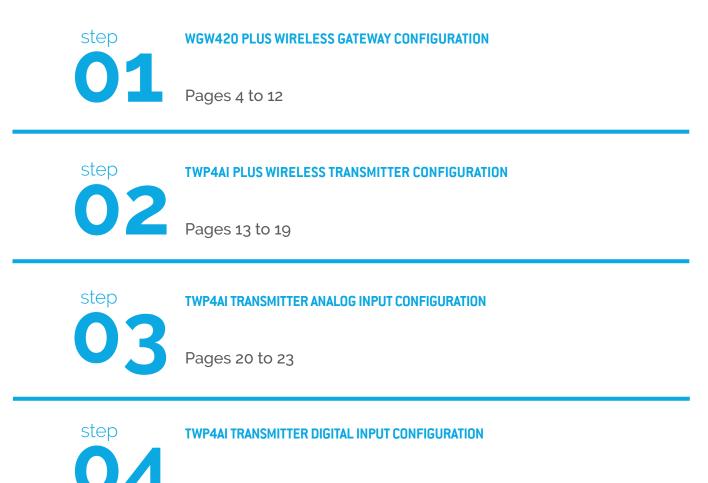
PLUS WIRELESS SYSTEM INSTALLATION GUIDE

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TEKONELECTRONICS.COM

PLUS WIRELESS SYSTEM INSTALLATION GUIDE

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PLUS WIRELESS SYSTEM INSTALLATION GUIDE

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

01	Connect the antenna to the <i>Gateway</i> .



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

03 Power ON the device.

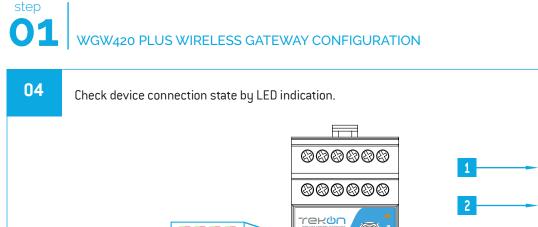


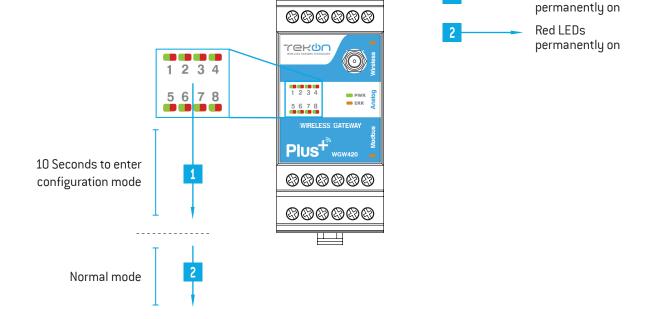
Wire Indication: Blue - GND; Brown - +24 VDC; Orange - Data+ (A); Black - GND; Yellow - Data - (B)



Green LEDs







	TekOn Configurator	+ _ _ ×
File Tools Help		
Devices	Serial Port Configuration Port Name COM3 Parity None Parity None Rescar Cateway Repeater Transmitter Modbus Configuration Modbus Address Modbus Baudrate 9600 Modbus Parity None Wireless Network ID Wireless Channel Serial Number Read Write	Not Connected
	Click on connection button to start	

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





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

5	TekOn Configurator	+ _ = <mark>×</mark>
Prile Tools Help Devices Transmitters Transmitters THU1102 THU1102 THU1102 THU1102 THU1102 THU101 THT201 THT201 THM501 TH	Serial Port Configuration Port Name COM3 • Baudrate 19200 • Parity None • Gateway Repeater Transmitter Modbus Configuration Modbus Address 1 *	+ _ C X
 TDU1219 Wireless WGW1104 WGW410 >DUOS ↓ PLUS 	Modbus Baudrate 9600 • Modbus Parity None • Wireless Network ID Wireless Channel • Serial Number Read Write Click on connection button to start	Unknown Model

Ø	TekOn Configurator	+ _ ×
File Tools Help Devices ▲ Transmitters ▲ Transmitters ▲ Head ④ THU1102 ④ THU1102 ④ THU101 ④ THU101 ④ THU101 ④ THM501 ④ THM501 ④ THM501 ④ THM501 ● THM501 ● THU1218 ■ TDU1218 ■ TDU1219 ▲ Wireless ■ WGW104 ■ WGW104 ■ WGW104	Serial Port Configuration Port Name COM3 Baudrate COM3 CoM3 Parity COM7 Gateway Repeater Transmitter Modbus Configuration Modbus Address 1 Modbus Baudrate 9600 Modbus Baudrate 9600 Modbus Baudrate 9600 Modbus Baudrate 9600 Kireless Channel Serial Number	n ports Not Connected
PLUS	Read Write Click on connection button to start	

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



08	Perform a power cycle on the <i>Gateway</i> .





09

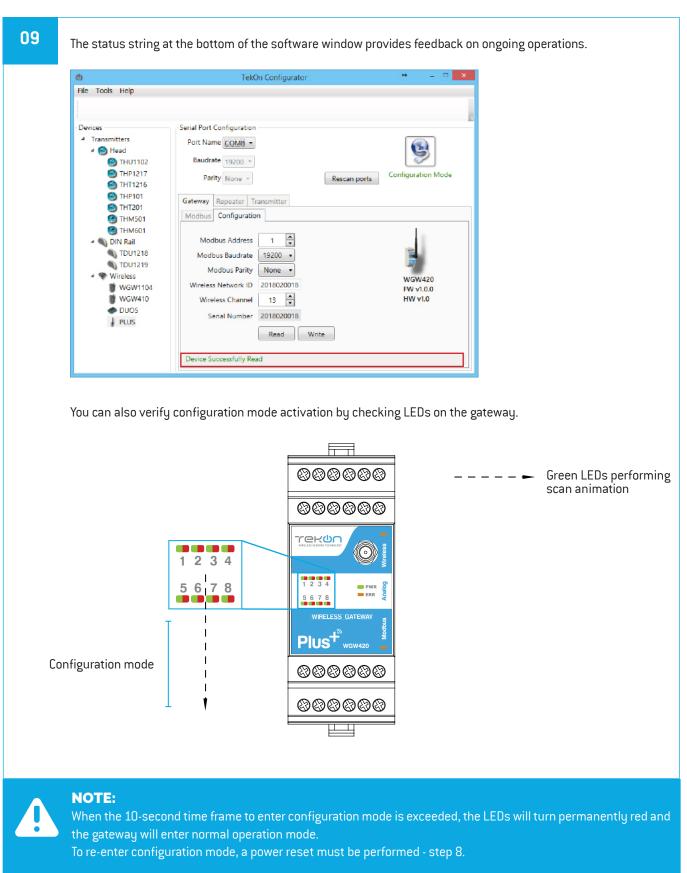
NOTE:

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*.

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

b	TekOn Configurator	+	×
File Tools Help Devices Transmitters File Thus File Tools Help Thus	Serial Port Configuration Port Name COMB • Baudrate 19200 • Parity None • Rescan ports Gateway Repeater Transmitter Modbus Configuration Modbus Address 1 * Modbus Baudrate 9600 • Modbus Baudrate 9600 • Modbus Parity None • Wireless Network ID Wireless Network ID Wireless Channel * Serial Number Read Write	Not Connected	
	Click on connection button to start		







10

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

٥	TekOn Configurator	
File Tools Help		
Devices A Transmitters A 😥 Head	Serial Port Configuration Port Name	
 THU1102 THU1102 THP1217 THP1216 THP101 THP101 THT201 THM501 	Baudrate 19200 * Parity None * Rescan p Gateway Repeater Transmitter Modbus Configuration	Configuration Mode
THM601 DIN Rail TDU1218 TDU1218 Wireless Wireless Wireless WGW1104 WGW410 OUOS PLUS	Modbus Address 1 Modbus Baudrate 19200 • Modbus Parity None • Wireless Network ID 2018020018 Wireless Channel 13 • Serial Number 2018020018	₩GW420 FW v1.0.0 HW v1.0
	Read Write Device Successfully Read	



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.

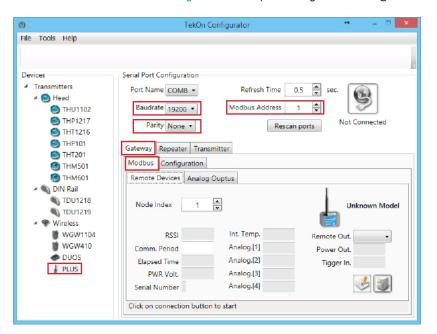
File Tools Help		
Devices	Serial Port Configuration	
 Transmitters Transmitters THu1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1216 THU101 THM501 THM501	Port Name COMB - Baudrate 19200 -	a ports Configuration Mode WGW420 FW v1.00 HW v1.0



01 WGW420 PLUS WIRELESS GATEWAY CONFIGURATION

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.

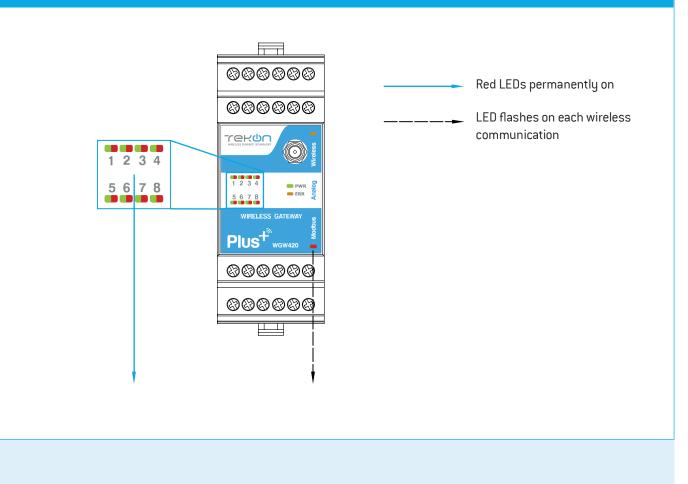
<u>ڻ</u>	TekOn Configurator 😁 🗕 🗆 🗙
File Tools Help	
: Devices	- Serial Port Configuration
4 Transmitters	Port Name COMB - Refresh Time 0.5 💂 sec.
🔺 🙆 Head	
THU1102	Baudrate 19200 • Modbus Address 1 🖨
THP1217 THT1216	Parity None Rescan ports Connected to Modbus
THP101	Gateway Repeater Transmitter
THT201 THM501	Modbus Configuration
THM601	Remote Devices Analog Ouptus
🖌 🐑 DIN Rail	
TDU1218	Node Index 1 🛋 Unknown Model
TDU1219	
WGW1104	RSSI 0 Int. Temp. 0.0 Remote Out. OFF
WGW410	Comm. Period 0 Analog.[1] 0.00 Power Out. OFF
I DUOS	Elapsed Time 43 Analog.[2] 0.00 Tigger In. OFF
PLUS	PWR Volt. 0.0 Analog.[3] 0.00
	Serial Number 0 Analog.(4) 0.00
	Reading successfully.





NOTE:

See WGW420 Datasheet to access LED indication information - page 4.







02 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*.



03

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

▲ Transmitters Port N ● Head ● THU1102 Bau ● THP1217 ● THP1216 ● THP101 ● THT201 ● THT201 ● THT201 ● THT201 ● THT501	e Analog Inputs Digital Inputs Digital Outputs	Not Connected
🔺 🖏 DIN Rail	Operation Mode © End Device © Repeater	
TDU1218 TDU1219 Wir	Repeater reless Network ID	
MCM1104	Wireless Channel	Unknown Model



step

0 File Tools Help	TekOn Configurator	+ _ □ X
Devices Transmitters Transmitters THU1102 THU1102 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THP1217 THD1218 TDU1218 TDU1218 TDU1219 Wireless Wireless WigW1104 WGW410 DUOS PLUS	Serial Port Configuration Port Name COM3 Baudrate 19200 Parity None Rescan Gateway Repeater Transmitter Device Analog Inputs Digital Inputs Digital Outpu Operation Mode Crd Device Repeater Wireless Network ID Wireless Channel GTW Modbus Index Comm. Period s Serial Number Read Write Click on connection button to start	

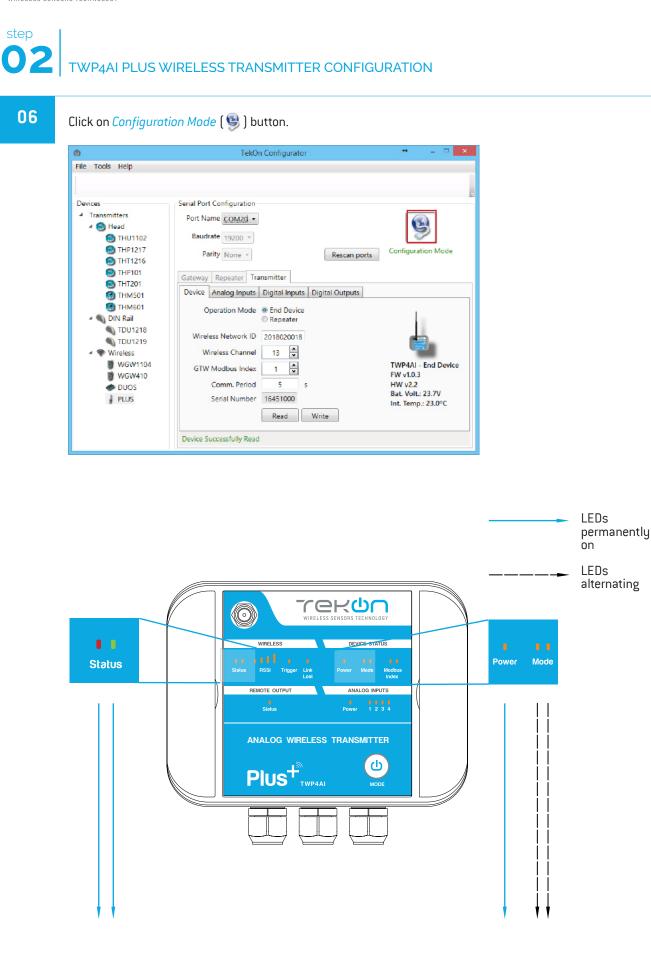
05

Select corresponding Port name^{1.}

: Devices	Serial Port Configuration	
 Transmitters Head THU1102 THP1217 THT1216 THP101 THP101 TH7201 THM501 	Port Name COM3 - Baudrate COM3 COM3 COM3 COM3 COM7 COM20 Gateway Repeater Transmitter Device Analog Inputs Digital Inputs Digital Outputs	Not Connected
THM601 DIN Rail TDU1218 TDU1218 TDU1219 Wireless Wireless WGW1104 WGW410 OUOS PLUS	Operation Mode © End Device © Repeater Wireless Network ID Wireless Channel GTW Modbus Index Comm. Period s Serial Number	Unknown Model
	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.







02 TWP4AI PLUS WIRELESS TRANSMITTER CONFIGURATION

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.

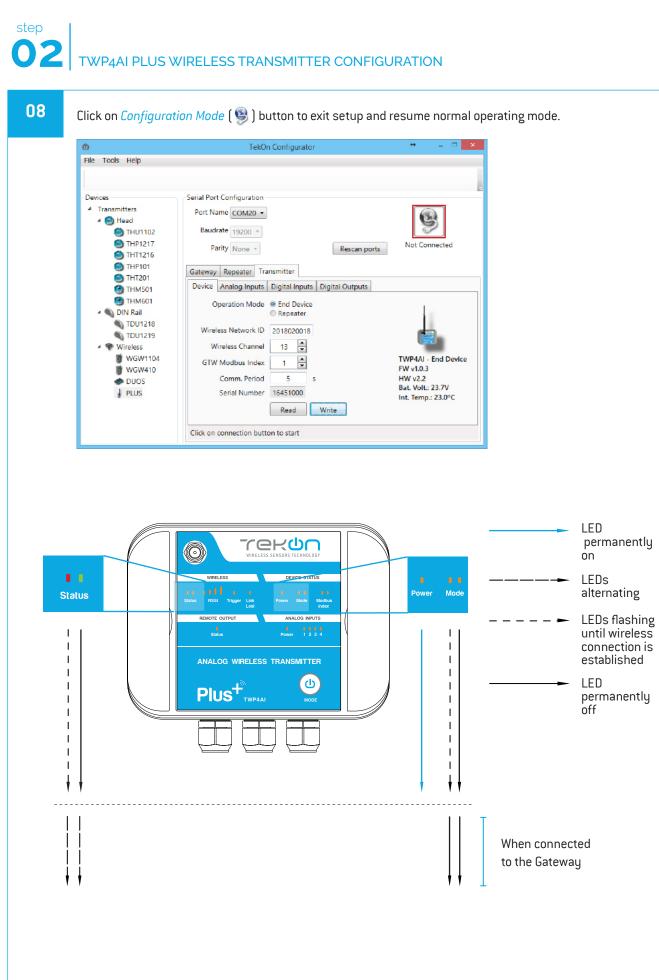
Gateway Modbus Index will define the modbus registers window used to store information sent by the transmitter.

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

Click on Write button to update Transmitter settings.

b	TekOn Configurator	
ile Tools Help		
Devices Transmitters Mead THU1102 THU1102 THI1217 THI1216 THI1216 THI101	Serial Port Configuration Port Name COM20 • Baudrate 19200 • Parity None • Rescan ports	Configuration Mode
MINION THT201 THM501 THM601 A DIN Rail	Gateway Repeater Transmitter Device Analog Inputs Digital Inputs Digital Outputs Operation Mode @ End Device @ Repeater Wireless Network ID 2018020018	
WGW1104	Wireless Network ID 2018020018 Wireless Channel 13 * GTW Modbus Index 1 * Comm. Period 5 s Serial Number 16451000	TWP4AI - End Device FW v1.0.3 HW v2.2 Bat. Volt: 23.7V Int. Temp:: 23.0°C
	Read Write Writing Success	







02 TWP4AI PLUS WIRELESS TRANSMITTER CONFIGURATION

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.

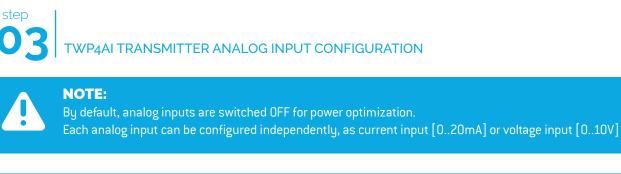


NOTE:

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).







01	To enter in <i>Configuration Mode</i> follow steps 01 to 05 of PLUS Wireless <i>Transmitter</i> Configuration.
----	--

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



03

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

ወ	TekOn Configurator ++ - 🗆 🗙
File Tools Help	
Devices	Serial Port Configuration
 Transmitters 	Port Name COM20 -
 Head THU1102 	Baudrate 19200 -
THP1217 THT1216	Parity None + Rescan ports Configuration Mode
THP101	
THT201	Gateway Repeater Transmitter
C THM501	Device Analog Inputs Digital Inputs Digital Outputs
THM501	
A S DIN Rail	Analog Input 1 Mode Current • Read uA
TDU1218	
TDU1219	Analog Input 2 Mode OFF Read
 Wireless 	Analog Input 3 Mode Voltage Read mV
WGW1104	Analog Input 4 Mode OFF Read
WGW410	
I DUOS	Read Write
🚽 PLUS	Click to write device settings
	Device Successfully Read



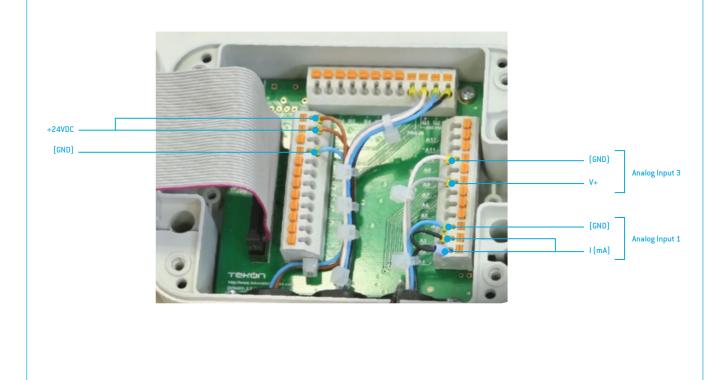
step	
03	TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION

🕐	TekOn Configurator – 🗆 🛪
File Tools Help Devices Transmitters Transmitters THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU1102 THU101 THU101 THU101 THU101 THU101 THU101 THU102 THU10	Scrial Port Configuration Port Name @0M20 • Baudrate 19200 • Party Nonc • Rescan ports Configuration Mode Cateway Repeater Transmitter Device Analog Inputs Digital Inputs Digital Outputs Analog Input 1 Mode Current • Read un Analog Input 2 Mode OFF • Read Read Read Write Click to write device settings
	Writing Success
L	



Wiring

Wire the device according to the diagram below.





03 TWP4AI TRANSMITTER ANALOG INPUT CONFIGURATION

	TekOn Configurator 🚽 🖃	×
File Tools Help Devices Transmitters Transmitters Head Hippin THU1102 Hippin THU102 THT217 THT1216 THT201 THM500 THM500 THM500 THM500 THM500 THM500 THM500	Scrial Port Configuration Port Name COM21 - Baudrate 19200 - Parity Nonc - Parity Nonc - Rescan ports Configuration Mode Gateway Repeater Transmitter Device Analog Input 2 Digital Inputs Digital Outputs Analog Input 1 Mode Current Read 12005 uA Analog Input 2 Mode Off Read 2996 mV	
 Wircless WGW104 WGW410 WGW410 ● DUOS IPLUS 	Analog Input 4 Mode OFF • Read Write	



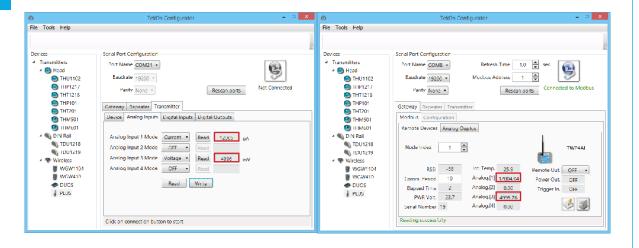
NOTE:

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 04 TWP4AI TRANS	SMITTER DIGITAL INPUT CONFIGURATION
NOTE: Sink type Digital I	nput.
01 To enter in <i>Configu</i>	<i>ration Mode</i> follow steps 01 to 05 of PLUS Wireless <i>Transmitter</i> Configuration.
02 In Tekon Configured File Tools Help Devices Transmitters THU1102 THU1102 THU1102 THU1102 THT1216 THT1216 THT1216 THT1216 THT1216 THT1216 THT1216 THT1216 THT1216 THT1217 THT1218 THT1218 THU1219 WGW1104 WGW1104 WGW1104 WGW1104 TU1219	tor Software select PLUS >> Transmitter >> Digital Inputs menu.



step 04	TWP4AI TRANSMITTER DIGITAL INPUT CONFIGURATION
03	Select Operation Mode <i>Rising Edge</i> and click on <i>Write</i> button.

ዕ	TekOn Configurator	- • ×
File Tools Help Devices Transmitters Transmitters ThU1102 THU102 THU102 TH11216 TH1201 THM501 THM501 THM501 THM501 THM501 THM501 Wireless Wireless Wireless Wireless Wireless Wireless UOS PLUS	Serial Port Configuration Port Name COM20 = Baudrate (19200 =	iguration Mode
	Writing Success	

Validate functionality and click on *Disconnect* button.

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

Devices	Scral Port Configuration Inst Name COM2E - Baudrate 19200 - Parity None * Cateway Repeater Transmitter Device Analog Inputs Frigital Inputs Edge Trigger Comm. Rising Fidge • Reco Verte	Devices	Serial Port Configuration Port Name COMB Baudrate 19200 Parity None Connected to Mod Cateway Repeater Transmitter Modbus Configuration Remote Devices Analog Ouptus Node Index 1
WGW1104 WGW410 DUCS PLU5	Click on connection button to start	iii WGW1104 iii WGW410 ● DUOS ii PLUS	RSSI -38 Int. Temp. 26.0 Remote Out. OFF Comm. Period 10 Analog.111 12005.01 Power Out. OFF Elapsed Time 3 Analog.13 4996.15 Trigger In. ON PWR Volt. 23.7 Analog.13 4996.15 Serial Number 19 Analog.14 0.00 Reading successfully. Testing successfully. Testing successfully. Testing successfully. Testing successfully.





step 05	TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION
01	To enter in <i>Configuration Mode</i> follow steps 01 to 05 of PLUS Wireless <i>Transmitter</i> Configuration.

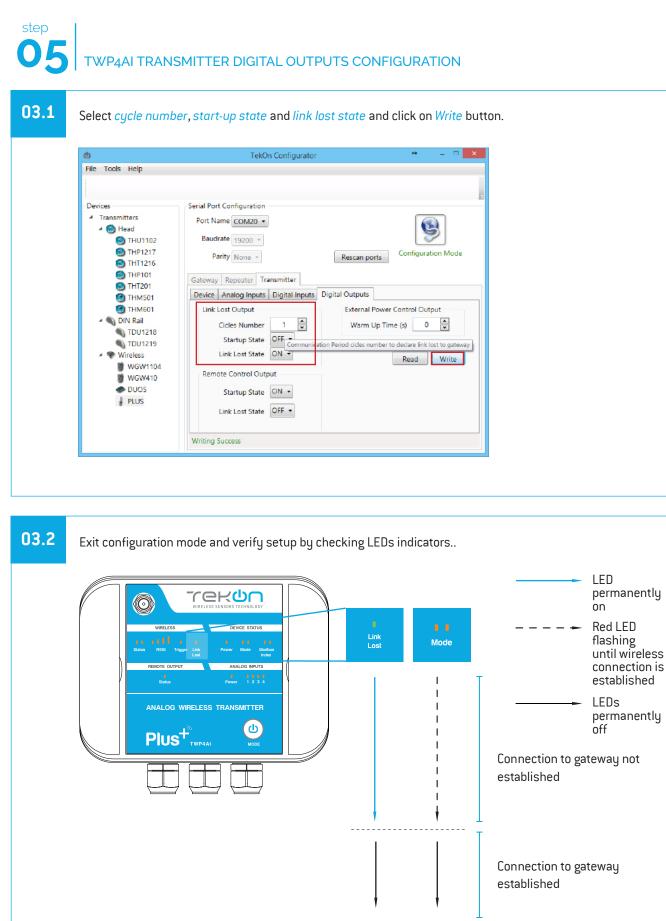
	TekOn Configurator	+ _ = ×
File Tools Help		
Devices Transmitters Transmitters Thut102 Thut102 Thut102 Thut216 Thut216 Thut216 Thut216 Thut201 Th	Gateway Repeater Transmitter 2	Rescan ports Configuration Mode

Link Lost Output

Output that outputs wireless connection state of the device.

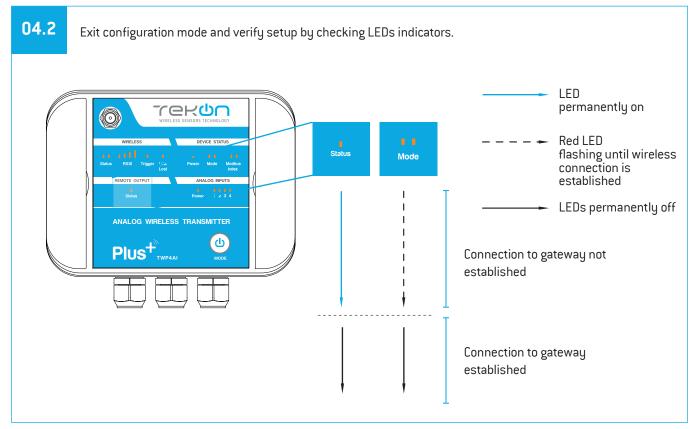
0	TekOn Configurator 😁 – 🗆
File Tools Help	
Devices	Serial Port Configuration
4 Transmitters	Port Name COM20 -
4 🙆 Head	S
THU1102	Baudrate 19200 -
THP1217	Parity None - Rescan ports Configuration Mode
THT1216	Rescar ports
(2) THP101	Gateway Repeater Transmitter
THT201	
(2) THM501	Device Analog Inputs Digital Inputs Digital Outputs
THM601	Link Lost Output External Power Control Output
🔺 🐑 DIN Rail	Cicles Number 0 🔺 Warm Up Time (s) 0
TDU1218	
TDU1219	Startup State OFF 👻
Wireless	Link Lost State OFF -
WGW1104	Read Write
WGW410	Remote Control Output
DUOS	
I PLUS	Startup State
CO3	Link Lost State OFF Digital Output state at device power-on
	Writing Success



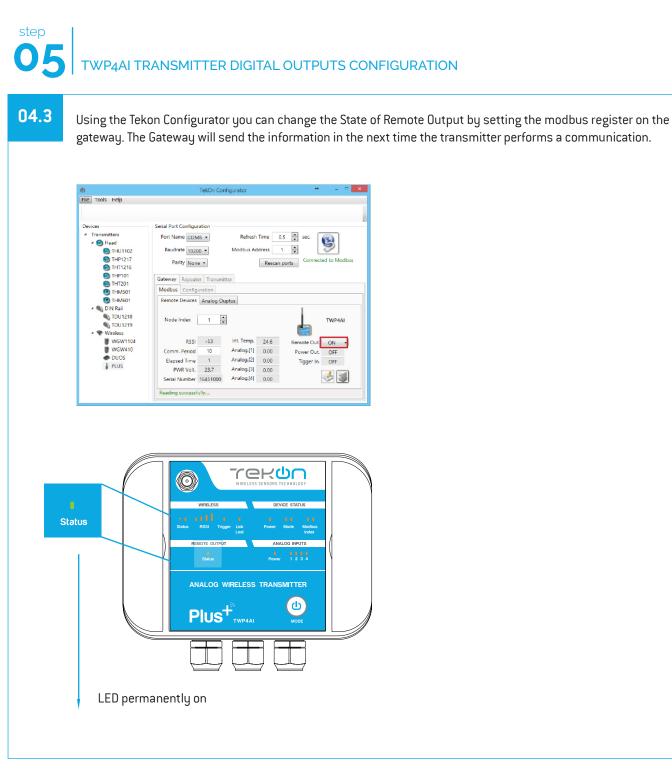




step 05	TWP4AI TRANSMITTER DIGITAL OUTPUTS CONFIGURATION	
04	Remote Control Output Digital output remotely controlled by Gateway modbus protocol.	
04.1	Define <i>Start-up state</i> and <i>Link lost state</i> . Click on <i>Write</i> button.	
	Image: Control Configuration Image: Configuration Devices Serial Port Configuration Image: Configuration Port Name COM20 Image: Configuration Mode Port Name Compute Digital Inputs Image: Control Output Image: Control Output Image: Control Output Image: Control Output Image: Control Output Image: Control Output Image: Puls Startup State OFF = Image: Puls Image: Control Output Image: Puls Startup State OFF = Image: Puls Image: Control Output Image: Puls Startup State OFF = Image: Puls Image: Control Output Image: Puls Startup State OFF = Image: Puls </th <th></th>	







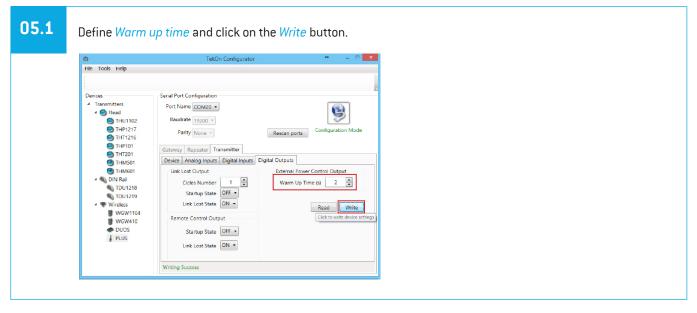
External Power Control Output

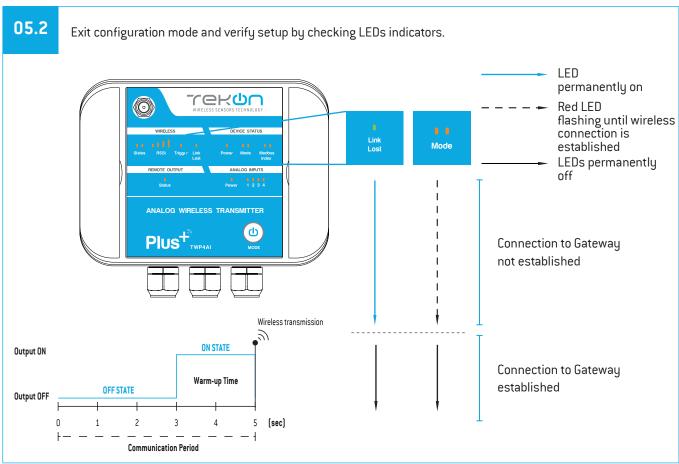
Time configurable output to power on an external device before data acquisition and transmission.













NOTE:

Diagram only applies after the transmitter and gateway are connected.

:





66 GATEWAY ANALOG OUTPUTS

01 Follow steps 06

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

	TekOn Configurator 🛛 🗕 🗆 🗙	× 📕
File Tools Help		
Devices	Scrial Port Configuration	
Transmitters The second seco	Port Name COM3 • Refresh Time 0.5 • sec. Baudrate 19200 • Modbus Address 1 • Not Connected Parity Nonc • Rescan ports Not Connected Gateway Repeater Transmitter Modbus Configuration Remote Devices Analog Ouptus 3 Output Index 1 • • Min. Value Act. Current Max. Volue Out, Offset • • Attempts Num. • •	
	MB Add. Link Click on connection button to start	

03

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

b	TekOn Configurator	+ _ _ ×		
File Tools Help			МВ	A
		HOLDING REG	ISTERS - TRANSMITTERS DATA	
Devices	Serial Port Configuration	Description	Address	
 Transmitters 	Port Name COM20 -	Serial Number	(Transmitter Modbus Index-1) x 20+0	0
THU1102	Baudrate 19200 -	Transmitter Model	(Transmitter Modbus Index-1)x20+2	
THP1217 THT1216	Parity None - Rescar p	ports RSSI	(Transmitter Modbus Index-1)x20+3	
THP101	Gateway Repeater Transmitter	Communication Period	(Transmitter Modbus Index-1)x20+4	
THT201 THM501	Device Analog Inputs Digital Inputs Digital Outputs	Elapsed Time	(Transmitter Modbus Index-1)x20+5	
THM501 (1) THM601		Power Voltage	(Transmitter Modbus Index-1)x20+6	
🖌 🖏 DIN Rail	Operation Mode End Device Repeater	Data O	(Transmitter Modbus Index-1)x20+7	
TDU1218 TDU1219	Wireless Network ID 2018020018	Data 1	(Transmitter Modbus Index-1)x20+9	ç
 Wireless 	Wireless Channel 13	Data 2	(Transmitter Modbus Index-1)x20+11	
104 WGW1104	GTW Modbus Index 1	Data 3	(Transmitter Modbus Index-1)x20+13	
WGW410	Comm. Period 5 s	Data 4	(Transmitter Modbus Index-1)x20+15	
J PLUS	Serial Number 16451000	FW Version Major Minor	(Transmitter Modbus Index-1)x20+17	
	Read Write	FW Version Revision	(Transmitter Modbus Index-1)x20+18	
		HW Version Major Minor	(Transmitter Modbus Index-1)x20+19	19





GATEWAY ANALOG OUTPUTS

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*

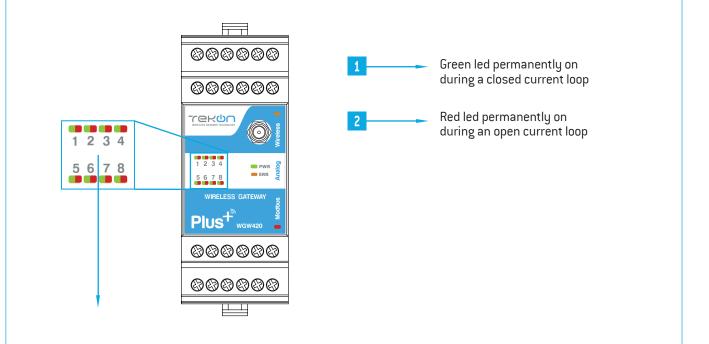
¢	TekOn Configurator – 🗆	×	
File Tools Help			
		-	
- Devices	Serial Port Configuration		
 Transmitters 	Port Name COM8 • Refresh Time 1,0 🖨 sec.		
THU1102	Baudrate 19200 - Modbus Address 1 🚔		
 IIIP1217 IIIP1216 	Panty None Rescan ports Connected to Modbus		
THP101	Gateway Repeater Transmitter		
THT201 THM501	Modbus Configuration		
(i) II IM601	Remote Devices Analog Ouptus		
🖌 🚳 DIN Rail			
TDU1218	Output Index 1 🚍		
 Wireless 			
WGW1104	Min. Value 0 Act. Current 3		— 4000 (4mA)
👹 WGW410	Max. Value 100		— 20000 (20mA)
DUOS	Out. Offset 0		
PLUS	Attempts Num. 2 🖶		
	Writing Success		



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.







07 CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER

01	Loosen the 4 screws of the case and oppen it.
	•



02

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.

ዕ	TekOn Configurator	+ _ = ×
Pile Tools Help Pile Tools Help Devices Transmitters Thut102 THU102 THU102 THP101 THT1216 THP101 THT201 THT201 THT201 THT00 THT00 TU02 THT00 TU02	Serial Port Configuration Port Name COM3 • Baudrate 1920 • Parity None • Rescan ports Gateway Repeater Transmitter Configuration Wireless Network ID Wireless Channel • Serial Number Read Write	Not Connected
	Click on connection button to start	



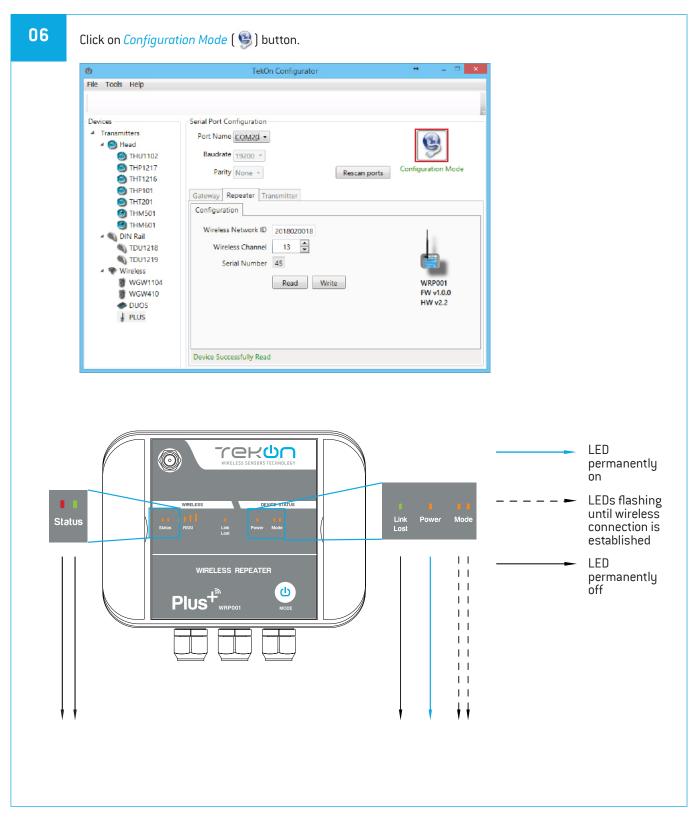


Ø	TekOn Configurator	+ _ = ×
File Tools Help		
- Devices	Serial Port Configuration	
4 🙆 Head	Port Name COM3 -	6
THU1102 THP1217	Baudrate 19200 -	Not Connected
THT1216 THP101	Parity None *	orts
THT201	Gateway Repeater Transmitter Configuration	
Материализация (Страна) (С	Wireless Network ID	
 OIN Rail TDU1218 	Wireless Channel	
TDU1219	Serial Number	
✓ ♥ Wireless ₩ WGW1104	Read Write	Unknown Model
WGW410		
I PLUS		
	Click on connection button to start	
Select correspon		
-	ding <i>Port name</i> ¹ .	+ •
Select correspon D File Tools Help		+ 2
Ø	ding <i>Port name</i> ¹ .	+ _ 🗆 🗙
C) File Tools Help Devices	ding <i>Port name¹</i> . TekOn Configurator	+ ×
Devices	ding Port name ¹ . TekOn Configurator	+ _
Devices	ding Port name ¹ . TekOn Configurator	
Devices ▲ Transmitters ▲ Transmitters ▲ 營 Head 營 THU1102 THU1217 THT1216	Serial Port Configuration Port Name COM3 Parity COM7 Rescar	+ _ C 2
Pile Tools Help Devices Transmitters Control Devices Transmitters Devices Thurstone Thurst	ding Port name ¹ . TekOn Configurator Serial Port Configuration Port Name COM3 COM3 COM3 Parity COM7 COM7 Com7 Com7 Com7 Com7 Com7 Com7 Com7 Com	
Devices ✓ Transmitters ✓ Transmitters ✓ 😁 Head 🐨 THU1102 🐨 THP101 🐨 THP101 🐨 THP201 🐨 THM501	ding Port name ¹ . TekOn Configurator Serial Port Configuration Port Name COM3 COM3 Parity COM7 Gateway Repeater Transmitter Configuration	
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 $^{^1}$ You can check device's serial port name in "Device Manager" on Microsoft $^{\odot}$ Windows $^{\odot}$ operating system.



07 CONNECT AND CONFIGURE THE PLUS WIRELESS REPEATER





step 07	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.

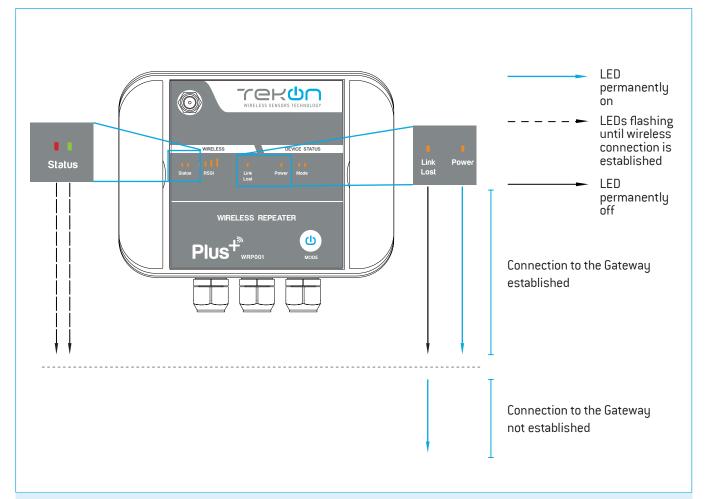
b	TekOn Configurator	*
Pile Tools Help Devices ▲ Transmitters ▲ Transmitters ▲ Head ④ THU1102 ④ TH11216 ④ TH11216 ④ TH11216 ④ TH11216 ④ TH11216 ④ TH11216 ④ TH11211 ④ TH1201 ④ DU1218 ■ DU1218 ■ DU0218 ■	Serial Port Configuration Port Name COM2D • Baudrate 19200 • Parity None • Rescan ports Gateway Repeater Transmitter Configuration Wireless Network ID 2018020018 Wireless Channel 13 • Serial Number 45 Read Write Click to write device	Configuration Mode

Click on *Configuration Mode* (9) button to exit setup and resume normal operating mode.

5	TekOn Configurator	*
File Tools Help Devices Transmitters Head THU1102 THP1217 TH1216 TH1216 TH1216 TH1201 THM501 THM501 THM501 DIN Rail DIN Rail DU1219 Wireless WiGW1104 WGW1104 WGW104 DU0S PLUS	TekOn Configurator Serial Port Configuration Port Name COM20 • Baudrate 19200 • Parity None • Rescan ports Gateway Repeater Transmitter Configuration Wireless Network ID 2018020018 Wireless Channel 13 • Serial Number 45 Read	







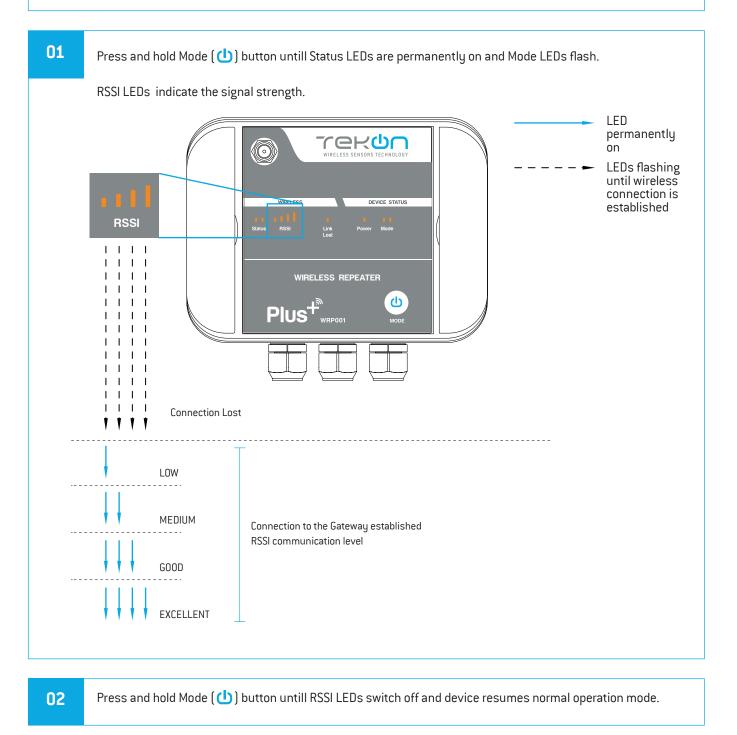




08 SITE SURVEY MODE

Refers to following devices: THP4AI Transmitter and WRP001 Repeater.

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.



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