

#### THERMOCOUPLE TEMPERATURE HEAD TRANSMITTER THT201



#### **INSTALLATION GUIDE**

IG\_INHD\_THT201\_E02A

 TEKON ELECTRONICS | AVEIRO, PORTUGAL

 P.: +351 234 303 320
 M.: +351 933 033 250
 E.: sales@tekonelectronics.com

**TEKONELECTRONICS.COM** 

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**INSTALLATION GUIDE** 



CONNECT AND CONFIGURE THT201 THERMOCOUPLE TEMPERATURE HEAD TRANSMITTER

Pages 3 to 9





01

CONNECT AND CONFIGURE THT201 THERMOCOUPLE TEMPERATURE HEAD TRANSMITTER

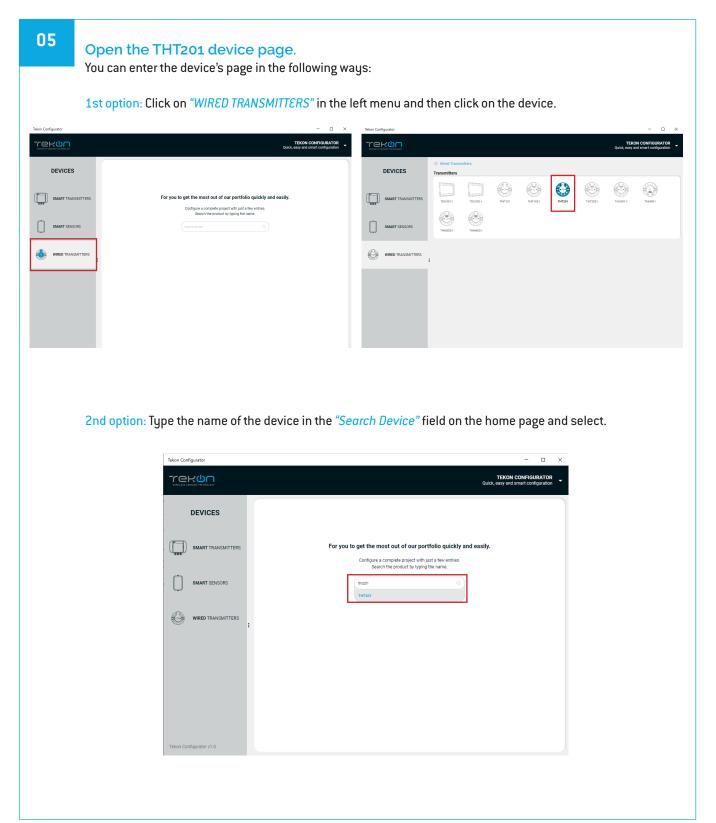
DOWNLOAD AND INSTALL "TEKON CONFIGURATOR" FREE SOFTWARE FROM TEKON ELECTRONICS WEBSITE

Connect the THT201 transmitter to the SARC2

cable configurator.

02 Connect the Thermocouple to the THT201 transmitter. 03 Connect the SARC2 configurator cable to the computer. 04 Open Tekon Configurator software. rekn WIRELESS SENSORS TECHNOLOGY







06	Load the "Port COM" corresponding	g to the THT201.
		TEKON CONFIGURATOR Quick, easy and smart configuration
	DEVICES Wired Transmitters > Transmitters	
	SMART TRANSMITTERS      Port COM     CON17     CON1	23.0 Disconnected ()
	SMART SENSORS	Rate (ms)
	WIRED TRANSMITTERS	Tampersture (*C)
	Output Configurations	urrent (mk) Current Offset (mk) 💟 Invert Output.
	Output Limits Lower Limit (mA) (212 Error Limits	Limit (mA)
	Signaling Current (mA) (20.5 ************************************	
	NOTE: If the USB cable has already been connecte otherwise you need to click on the "?" butto	d before opening the device page, "Port COM" will appear in the list, on.
07	Select corresponding <i>Port COM</i> <sup>2</sup> .	
07		×
07	Select corresponding <i>Port COM</i> <sup>2</sup> .	
07	Select corresponding Port COM <sup>2</sup> . Teton Configurator TETON Configurator DEVICES Wired Transmitters > Transmitters Mired Taransmitters > Transmitters	- C × TEKON CONFIGURATOR Quick, easy and amart comparation
07	Select corresponding Port COM <sup>2</sup> .	- C × TEKON CONFIGURATOR Quick, easy and smart configuration > THT201 15.0
07	Select corresponding Port COM <sup>2</sup> .	- C × TEKON CONFIGURATOR Cucle, easy and armat configuration Quicle, easy and armat configuration
07	<complex-block></complex-block>	- C ×  TEKON CONFIGURATOR Quick, easy and smart configuration  > THT201  15.0 23.0  Disconnected ()
07	Select corresponding Port COM <sup>2</sup> . Teor Configurator DEVICES SMART TRANSMITTERS SMART TRANSMITTERS	- C × TEKON CONFIGURATOR Quide, easy and amart configuration > THT2D1 15.0 (Disconnected (2) (Disconnected (2)
07	Select corresponding Port COM <sup>2</sup> .	- C × TEKON CONFIGURATOR Quick, keey and smart configuration > THT201 15.0 23.0 Disconnected (2) Bases (ma) •
07	Select corresponding Port COM <sup>2</sup> . Teor Configurator DEVICES SMART TRANSMITTERS SMART TRANSMITTERS WIED TRANSMITTERS WIED TRANSMITTERS TOTOL CONFIGURATION SMART TRANSMITTERS SMART TRANSMITTERS SMAR	TEKON CONTRIGURATOR Quido, casy and smart configuration ThrT201 Iso 23.0 Disconnected () Iteres (m) Iteres (m) Iteres (m) Iteres official (m) Iteres official (m) Iteres official (m) Iteres of ficial (m) Iteres
07		
07	Select corresponding Port COM <sup>2</sup> . Tex Configurate FEVICES FEVICES FEVICES FEVICES FEVICES FERICASE	TEXON CONFIGURATOR     Cuide, easy and smart configuration     Solution     Solution <t< th=""></t<>

<sup>&</sup>lt;sup>2</sup> You can check device's serial port name in "Device Manager" on Microsoft <sup>®</sup> Windows<sup>®</sup> operating system.



08	Click on <i>Connect</i> ( 😃 ) button.	
	DEVICES   Image: Substant Transmitters   Image: Substant Transmitters <t< th=""><th>(exervited configuration</th></t<>	(exervited configuration
	Tean Configurator v1.0  NOTE:  Tor security reasons, it is only allowed to change the settings during the fire  The software will connect to the device.  Tecn Configurator  Wired Transmitters 2 International 2 Internationa	st 60 seconds after power up.
	DEVICES     SMART TRANSMITTERS     SMART SENSORS     WIRED TRANSMITTERS     WIRED TRANSMITTERS     Image: Smart Transmitter Description     Smart Transmitter Descrip	Connecting () () () () () ()
	Output Configurations         Ibio Current (m)       Ibio Cu	ET ROO WILLES
	<b>NOTE:</b> If the software is unable to connect to the device, the <b>Connection Falled (D)</b> status is connected, go back to the previous steps and check the port COM.	s displayed. If it hasn't





09	When the software connects to the device, the " <i>Connected</i> " message will be displayed.
10	While the THT201 transmitter it is in configuration mode, the blue led will flash continuously.



## 01 CONNECT AND CONFIGURE THT201 THERMOCOUPLE TEMPERATURE HEAD TRANSMITTER

11 Choose wich thermocouple you want to in Sensor Type select. rek<mark>u</mark>n TEKON CO Ouici  $\odot$ DEVICES THT201 🗈 r: 0 sion: 1.5.0 sion: 2.3.0 Connected ⊘ SMART TRANSMITTERS Port COM ப • 6 SMART SENSORS Input Configurations ۵ WIRED TRANSMITTERS  $\bigcirc$ Temperature (°C) Max. Temp 1370 ۵ Max. Cu (18 V Invert Output ٥ tout Limite Lower Limit (mA) Upper Limit (mA) \$ ۵ Error Limits Signaling Current (mA)

#### 12

To change the selected sensor settings, update the value of the desire parameter and select the "Write Device" option. In this example, we use the thermocouple K and change the "Temperature Min." to -190 and "Temperature Max." to 400.

		TEKON CONFIGURATOR Quick, easy and smart configuration
DEVICES	Wired Transmitters > Transmitters > THT201     THT201 B     THT201 B     Series Atmose 0     Firmware Version 1.5.0	G
SMART TRANSMITTERS	Hardware Version: 2.3.0	Connected ©
SMART SENSORS	Input Configurations Transmitter Description Sample Rate (ms) Telocrificeteronics 500 Ø	
WIRED TRANSMITTERS	Hin: Empiricular         V           Hin: Empiricular         100	Temperature (%) 26.72
	Output Configurations         Hax. Current (mA)         Current Offset (mA)           (6         (0)	✓ Invert Output ✓ Namur NE43
	Lower Limit (mA) Upper Limit (mA) 3.6 Error Limits	
Tekon Configurator v1.0	Signaling Current (mb) (20.5) Ø	

While the settings are being written, the following icon will be displayed next to the "WRITE DEVICE" button ()

If the changes to the device have been written, the following symbol will appear ( 
)

If not, the following symbol will appear ( X),try again and check that the device is connected correctly.

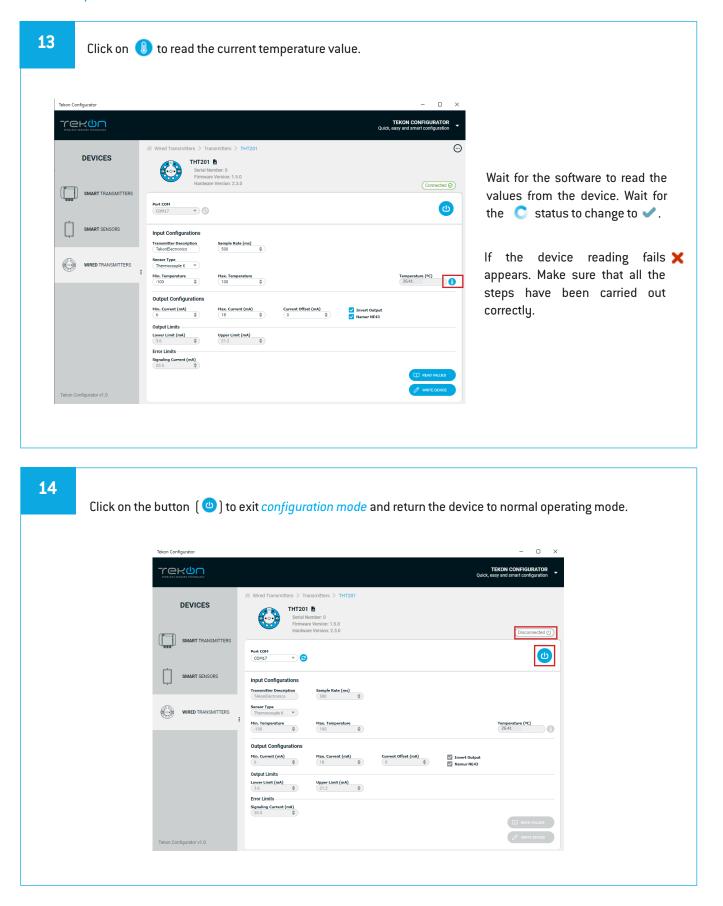
#### NOTE:

The "WRITE DEVICE" button will only be active when there is a change to one of the editable fields, if there is no change it will be disabled.





**01** CONNECT AND CO



#### TEKON ELECTRONICS a brand of Bresimar Automação S.A.

Quinta do Simão 3800-230 Aveiro PORTUGAL

P.: +351 234 303 320 M.: +351 933 033 250 E.: sales@tekonelectronics.com

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