WIRELESS SENSORS TECHNOLOGY

UNIVERSAL TEMPERATURE ISOLATED DIN RAIL TRANSMITTER TDU301-I

INSTALLATION GUIDE

IG_DINR_TDU301-I_E01A

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UNIVERSAL TEMPERATURE ISOLATED DIN RAL TRANSMITTER TDU301-I

INSTALLATION GUIDE

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CONNECT AND CONFIGURE TDU301-I UNIV. TEMP. ISOLATED DIN RAIL TRANSMITTER

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

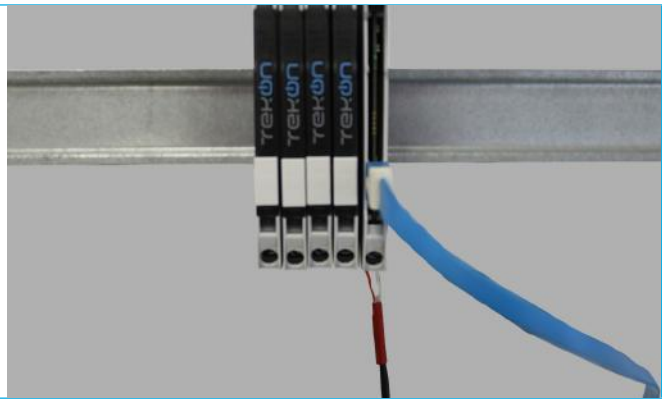
01

Connect the TDU301-I transmitter to the Micro-USB cable.

02

Connect a Thermocouple or PT100 sensor to the TDU301-I transmitter.

Note: in this example, we will use a thermocouple.



03

Connect the USB cable to the computer.

04

Execute Tekon Configurator software.

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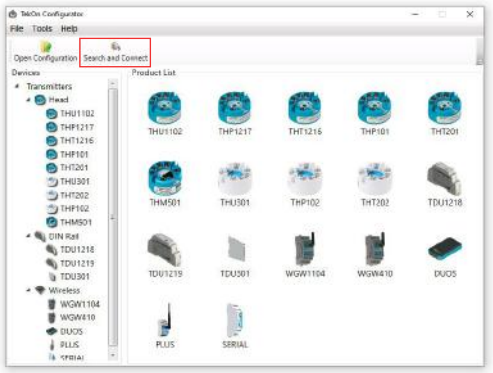
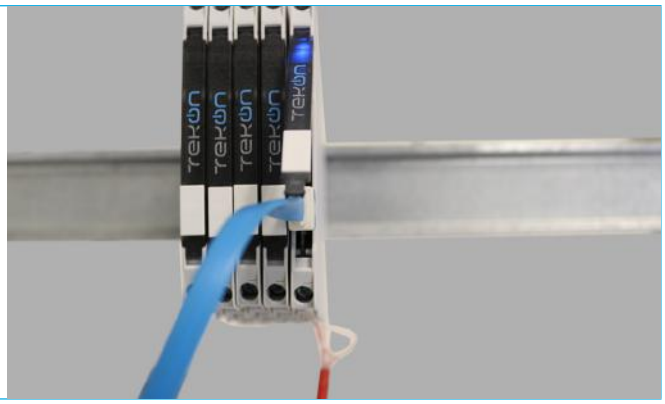
05

Select the "Search and Connect" option.



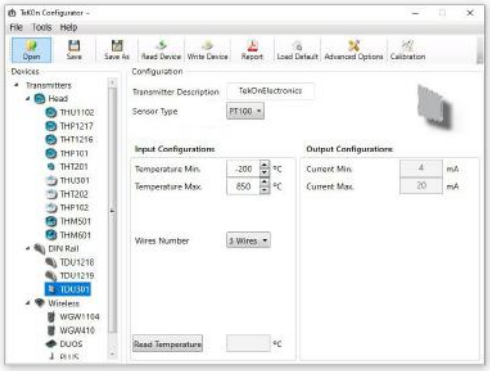
06

While the TDU301-I transmitter is in configuration mode, the blue led will blink continuously.



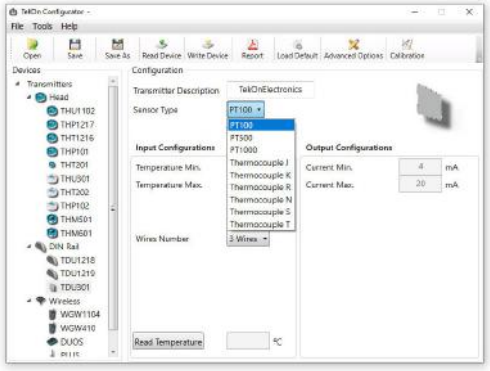
07

The software automatically identifies the device and open the respective configuration form with the factory default settings.



08

Choose which type of sensor (PT100 or Thermocouple) you want to use.



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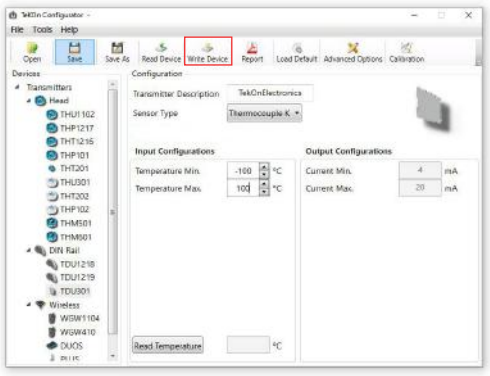
09

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 -100 and "Temperature Max." to 100.



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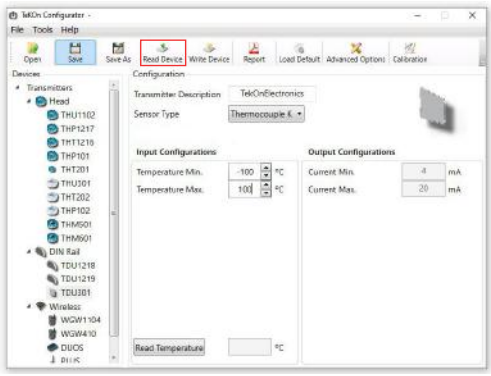
To confirm if the change has been successfully completed, select the "Read Device".



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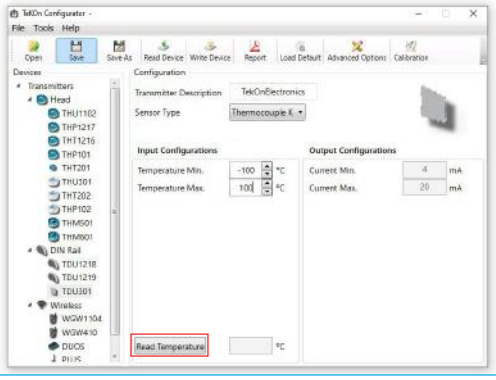
Click on the "Read Temperature" button to read the current temperature value.



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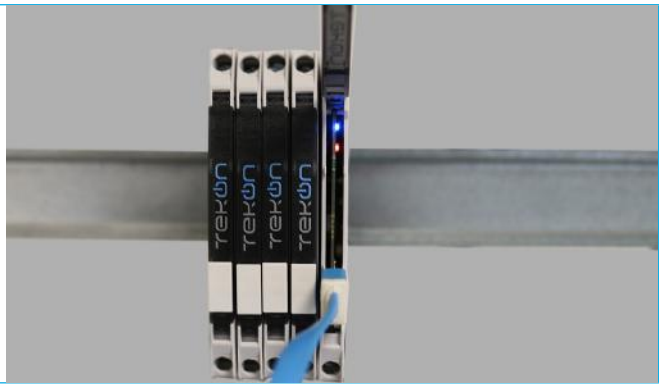
If the temperature reading is outside the set temperature range, the transmitter TDU301-I red and blue led will blink simultaneously.

Note: please review your settings and check the datasheet status led information to analyse all the led behaviours.



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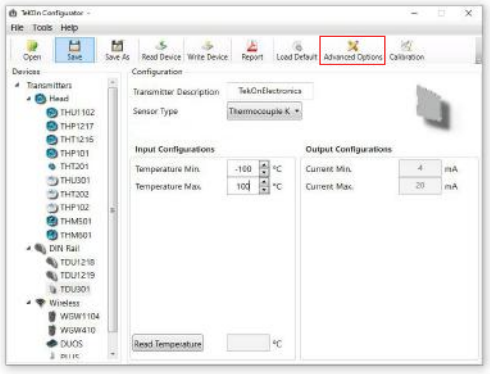
Click on "Advanced Options" tab, to access other editable options.



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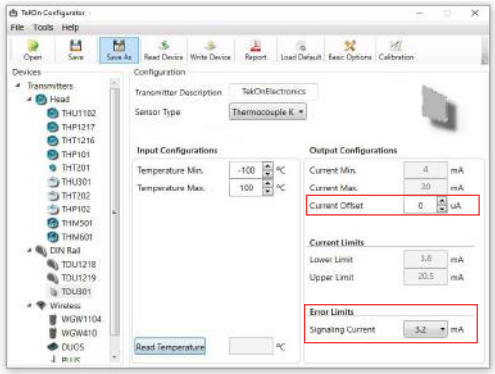
You can set two options:

- "Current Offset": value added to the output current, to perform an offset;

- "Signaling Current": current set to alert for sensor problems (open circuit, no sensor connected or sensor damaged ;



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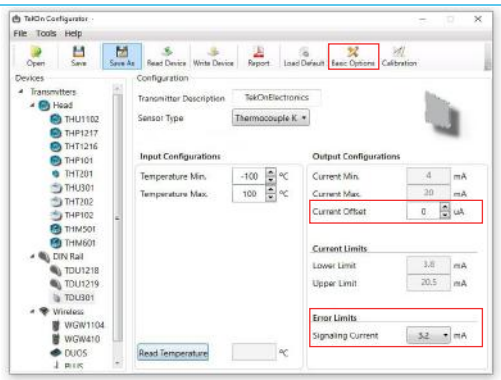
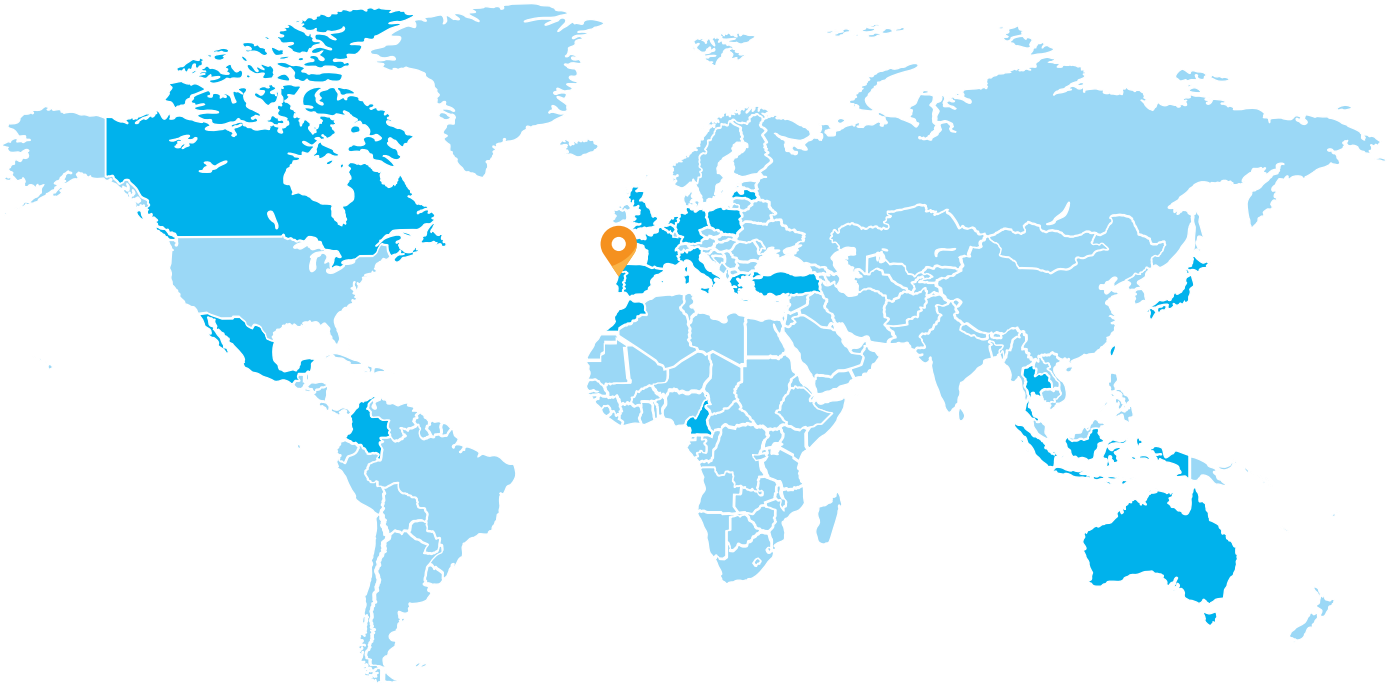
Edit the fields and click on "Write Device" to save the changes.

To return to the previous software window, click on the "Basic Options" tab.



Notes



Headquarters

Product Presence

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