VOLTAGE OUTPUT ISOLATED DIN RAIL TEMPERATURE TRANSMITTER TDU302-I

INSTALLATION GUIDE

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VOLTAGE OUTPUT ISOLATED
DIN RAIL TEMPERATURE TRANSMITTER
TDU302-I

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step
01

CONNECT AND CONFIGURE TDU302-I VOLTAGE OUTPUT ISOLATED DIN RAIL TEMPERA-TURE TRANSMITTER

Pages 3 to 6

step
01

CONNECT AND CONFIGURE TDU302-I VOLTAGE OUTPUT ISOLAT. DIN RAIL TEMP. TRANSMITTER

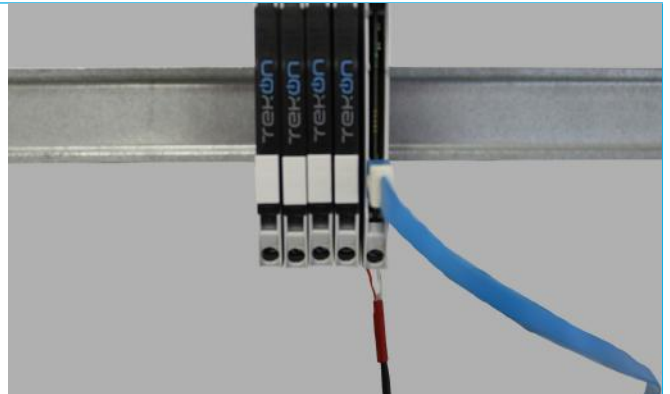**DOWNLOAD AND INSTALL** *"TEKON CONFIGURATOR"* **FREE SOFTWARE FROM TEKON ELECTRONICS WEBSITE**

01

Connect the TDU302-I transmitter to the Micro-USB cable.

02

Connect a Thermocouple or PT100 sensor to the TDU302-I transmitter.

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

03

Connect the USB cable to the computer.

04

Execute Tekon Configurator software.
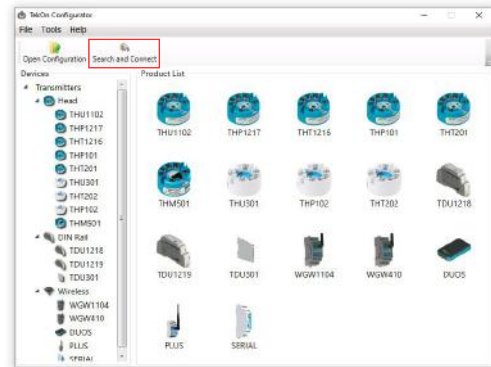
step
01 | CONNECT AND CONFIGURE TDU302-I VOLTAGE OUTPUT ISOLAT. DIN RAIL TEMP. TRANSMITTER
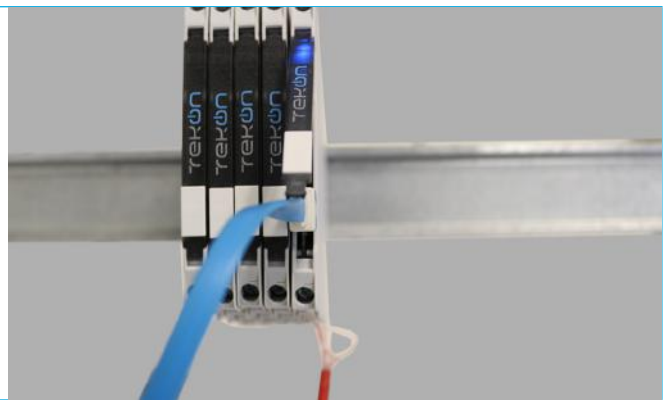
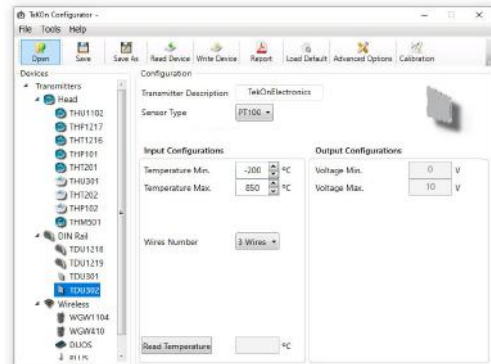**05** Select the "Search and Connect" option.

06 While the TDU302-I transmitter is in configuration mode, the blue led will blink continuously.
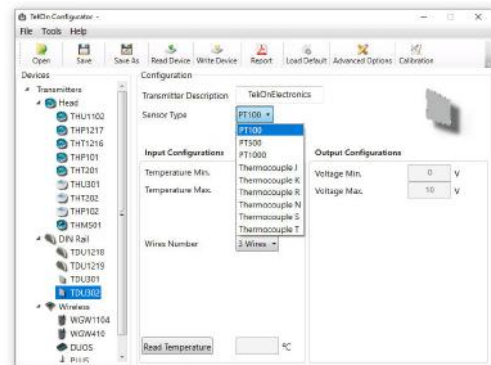

07 The software automatically identifies the device and open the respective configuration form with the factory default settings.

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

4

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step
# 01 | CONNECT AND CONFIGURE TDU302-I VOLTAGE OUTPUT ISOLAT. DIN RAIL TEMP. TRANSMITTER

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.
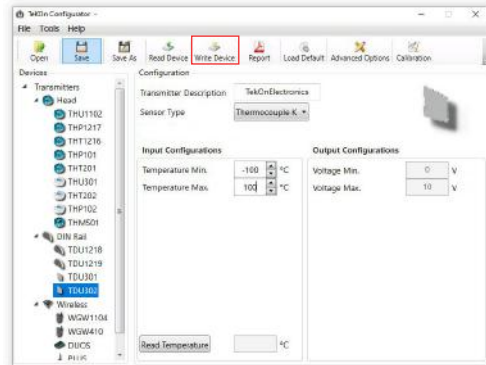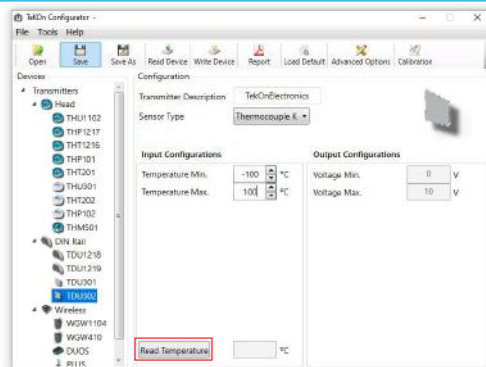

10

To confirm if the change has been successfully completed, select the "Read Device".
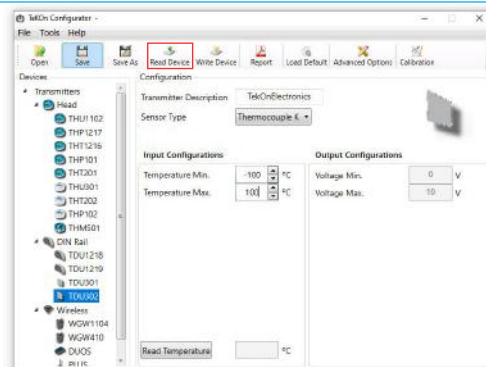
11

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

12

If the temperature reading is outside the set temperature range, the transmitter TDU302-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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| CONNECT AND CONFIGURE TDU302-I VOLTAGE OUTPUT ISOLAT. DIN RAIL TEMP. TRANSMITTER
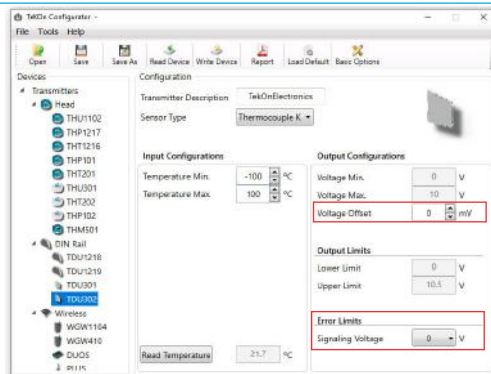
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13   Click on "Advanced Options" tab, to access other editable options.
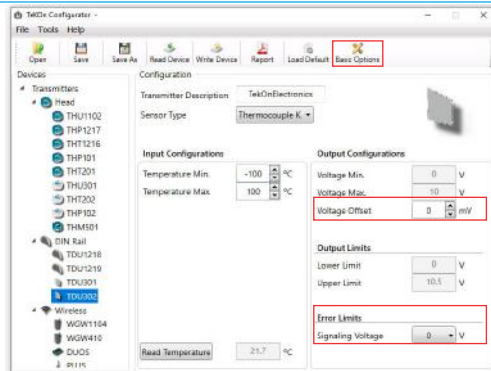

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14   You can set two options:

- "Voltage Offset": value added to the output voltage, to perform an offset;

- "Signaling Voltage": voltage set to alert for sensor problems (open circuit, no sensor connected or sensor damaged);

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15   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
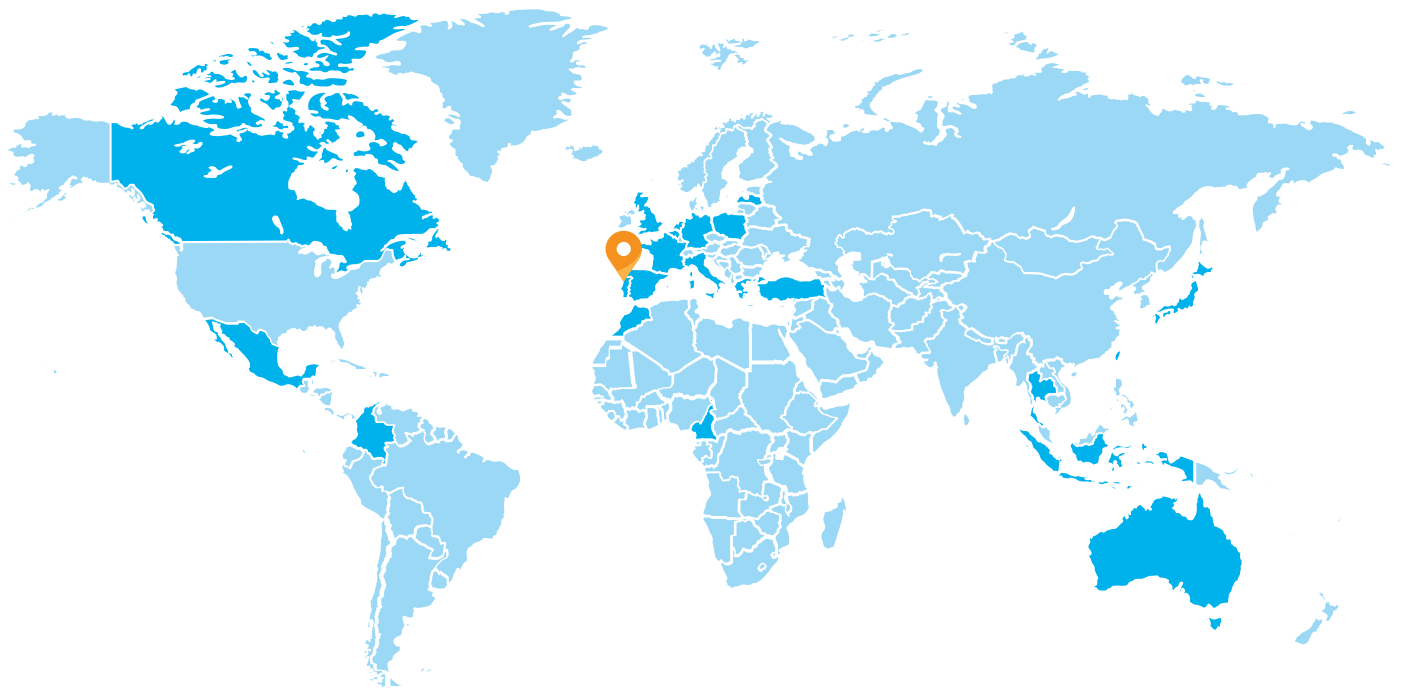
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