TTR200 SMART RTD SLIDE WIRE TRANSMITTER USER MANUAL

IMPORTANT - CE & SAFETY REQUIREMENTS

This product must be mounted inside a suitable enclosure providing enviromental protection = > IP54.
To maintain CE compliance all input wires must be less than 3 metres.
The product contains no user serviceable parts, or internal adjustments. No attempt should be made to repair this device. Faulty units must be returned to supplier or manufacturer for repair or replacement.
This product must be installed by compitent qualified personnel.
All electrical wiring must be installed to comply with the area standards, regulations.
Before attempting electrical connection ensure all supplies are switched off.
ABSOLUTE MAXIMUM OPERATING CONDITIONS :-

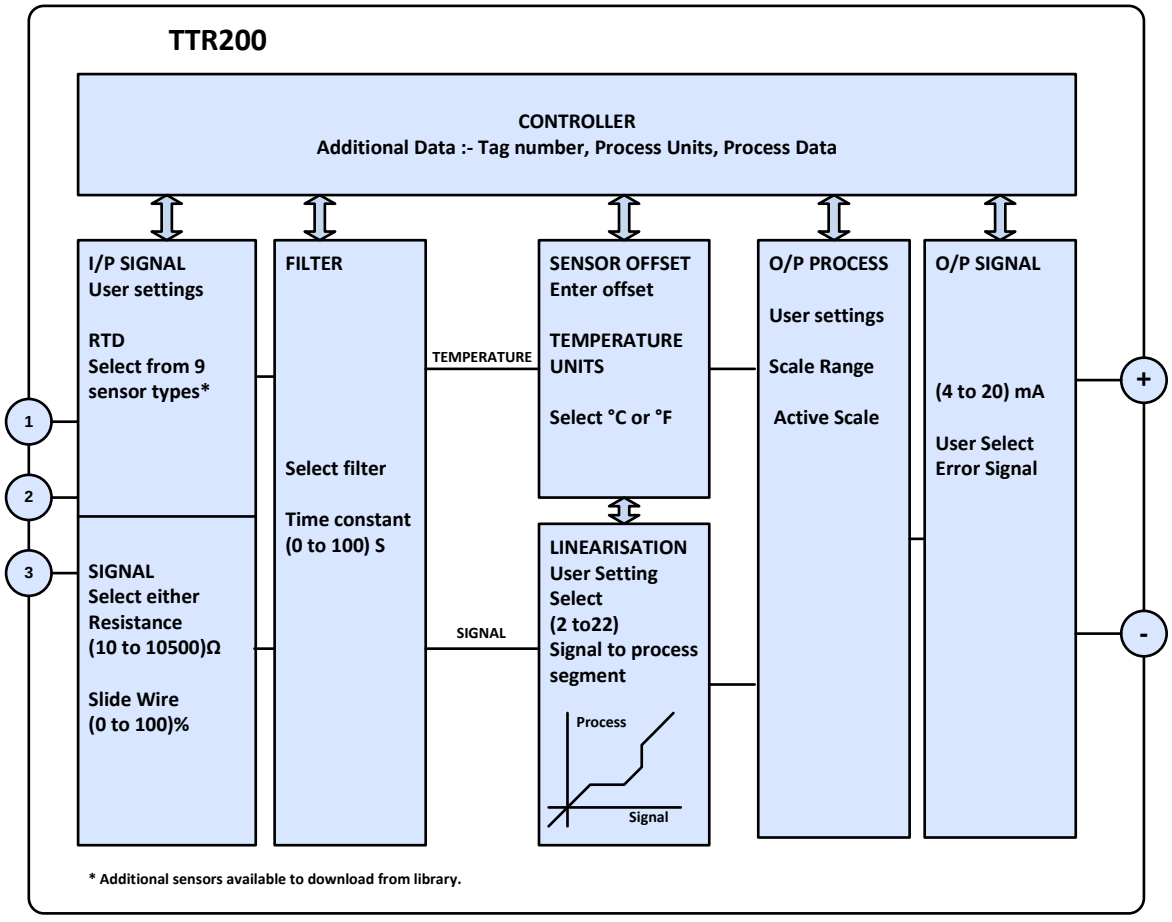
Supply	30 V dc (reverse protected to -30 V dc)
Supply Current on over voltage + 100 mA (when supply exceeds 30 V dc protection device will conduct)	
Input voltage	± 3.0 V
Ambient	(-40 to 85) °C

PLEASE REFER TO THE PRODUCT LABEL FOR MANUFACTURERS CONTACT DETAILS.

RECEIVE AND UNPACKING

Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately.

OPERATION (please refer to data sheet for full technical specification.)

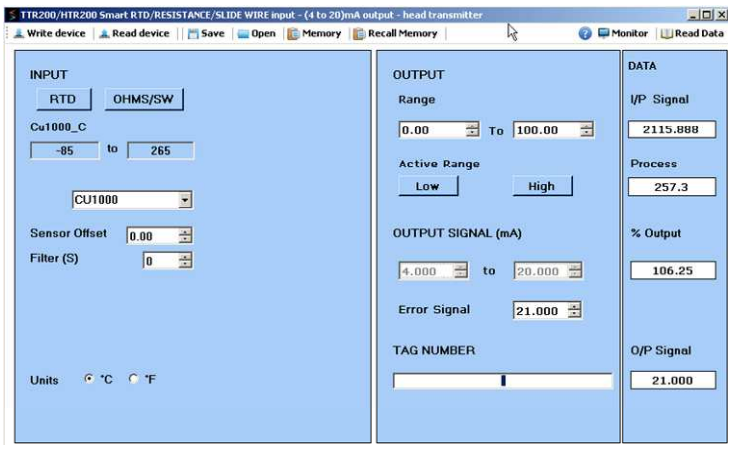


CONFIGURATION

USB Configuration Kit required.
This product is configured using the USB port of a PC running USB_Speed_Link software, available from www.status.co.uk. During configuration the product is powered direct from the usb port, removing the need for additional power. USB_Speed_Link software is provided with detailed help menu to guide the user through the simple configuration procedure. Unless specified at the time of order this product is supplied with the default configuration listed below.
Connect red wire to + terminal, black wire to - terminal of the (4 to 20) mA loop.

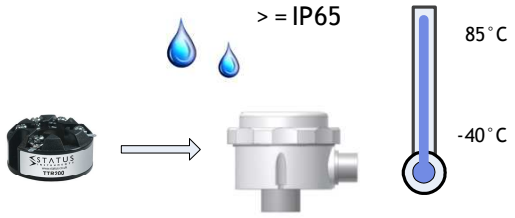
Factory default:

Input range	**=PT100 IEC**
Process Range	**= (0 to 100)**
Units	**= °C**
Output range mA	**= (4 to 20)**
Filter	**= off**
User offset	**= 0.0 °C**
Tag	**= " "**

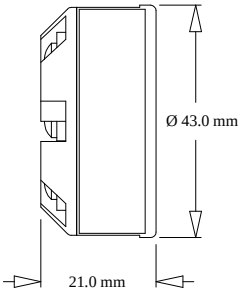


MECHANICAL INSTALLATION

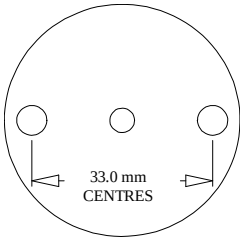
MOUNTING



SIDE VIEW



BASE VIEW



The TTR200 is mounted using two 5.5 mm holes, on standard 33 mm fixing centres and will fit a DIN standard termination head.
The TTR200 must be installed with adequate protection from moisture and corrosive atmospheres.
Enclosure colour grey.
Labels - Two product identification labels indicate Serial number , Model, Input Type Range.
Connection label indicates output +/- terminals and (1 to 3) Input terminals.

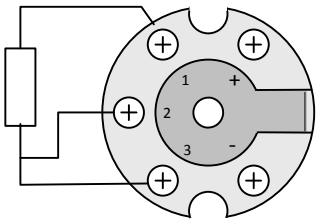
ELECTRICAL INSTALLATION

Wire sensor.

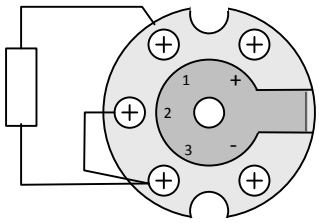
Sensor connections are as follows, to maintain BS EN61326 compliance sensor wires must be less than 3 metres. All sensor connections must be isolated from ground.

Sensor RTD or Resistance (10 to 10500) ohm

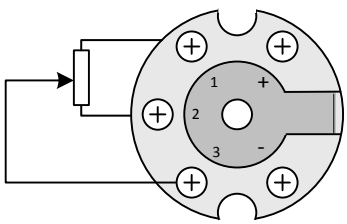
3 wire



2 wire and Resistance



Slide Wire (1 to 100) Kohm



Install assembly

Care must be taken to ensure the TTR200 is located where the ambient temperature does not exceed the specified operating temperature of (-40 to 85) °C

Wire (4 to 20) mA Loop

Ensure all other aspects of the installtion comply with the requirments of this document, paying particular attention to the loop barrier. The (4 to 20) mA loop is connected as follows:-