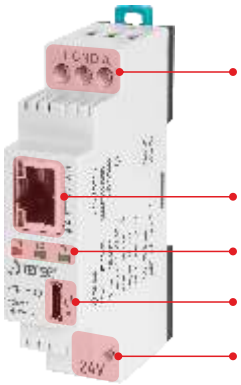
ETH-GTW / ETH-GTW-230V and WEB INTERFACE USER MANUAL

Technical Support Line

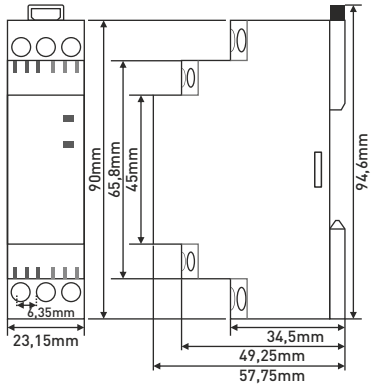
support@tense.com.tr

www.tense.com.tr | www.tenseenerji.com

Device Information - ETH-GTW



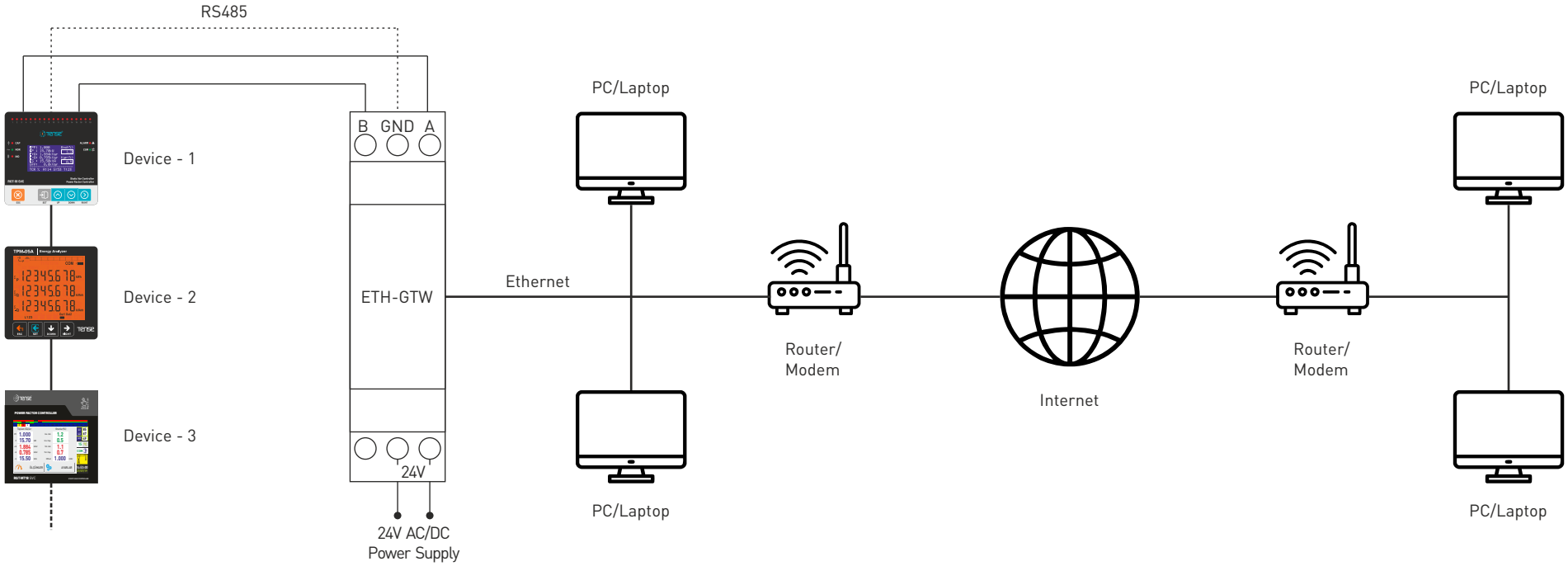
Dimensions



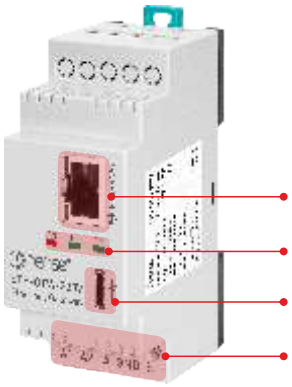
Technical Specifications

Operating Voltage	:	24V AC/DC
Operating Frequency	:	50/60 Hz.
Operating Power	:	<3VA
Operating Temperature	:	-20 - +55°C
Ethernet	:	10/100 mbps.
RS485	:	Baudrate : 110....230400 bps Parity : None, Even, Odd Stop Bit : 1/1,5/2 Connected device : Max. 10 pcs.
USB	:	Configuration and power supply via USB
Supported Protocols	:	Modbus RTU over TCP/IP

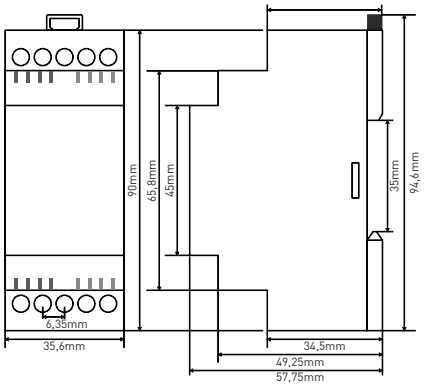
Connection Diagram



Device Information - ETH-GTW-230V



Dimensions



Technical Specifications

Operating Voltage	:	230V AC
Operating Frequency	:	50/60 Hz.
Operating Power	:	<3VA
Operating Temperature	:	-20 - +55°C
Ethernet	:	10/100 mbps.
RS485	:	Baudrate : 110....230400 bps Parity : None, Even, Odd Stop Bit : 1/1,5/2 Connected device : Max. 10 pcs.
USB	:	Configuration and power supply via USB
Supported Protocols	:	Modbus RTU over TCP/IP

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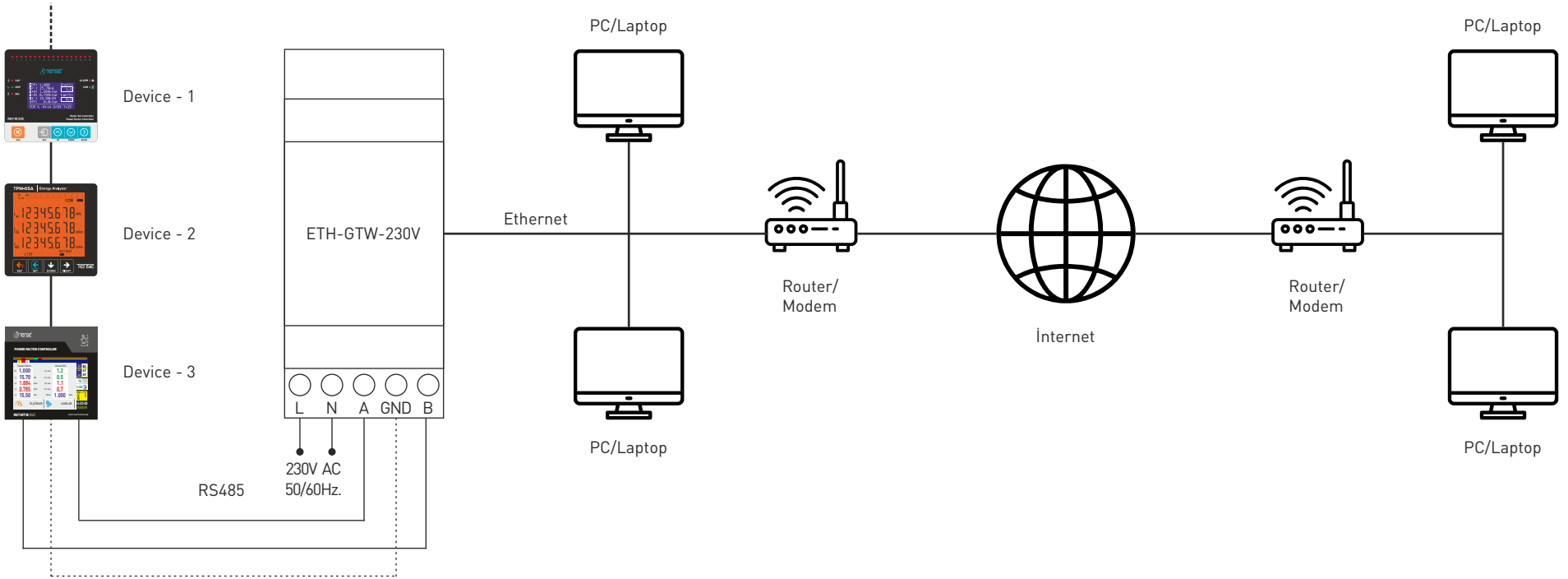
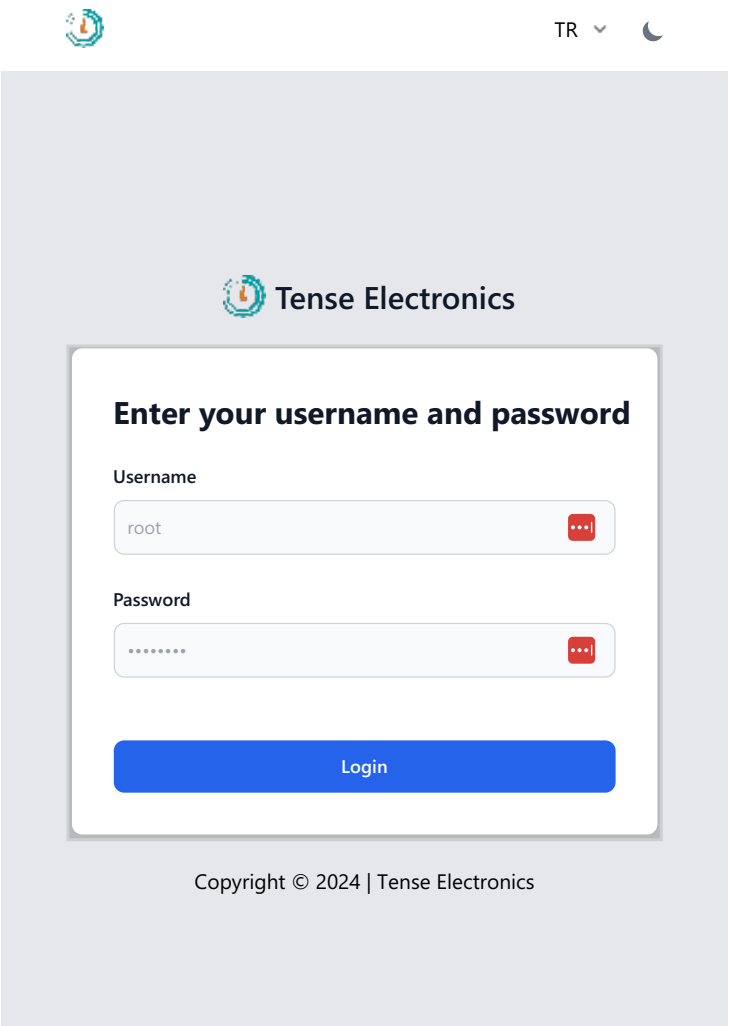




1- Access the web interface

In order to access the web interface of the device, the power and network connections of the device must be made.

You can access the web interface of the device by typing http://tenseconfig-"the last 4 digits of the device's serial number" and the IP address of the device into the address bar of your browser.

For example: http://tenseconfig-8001 or 192.168.1.249

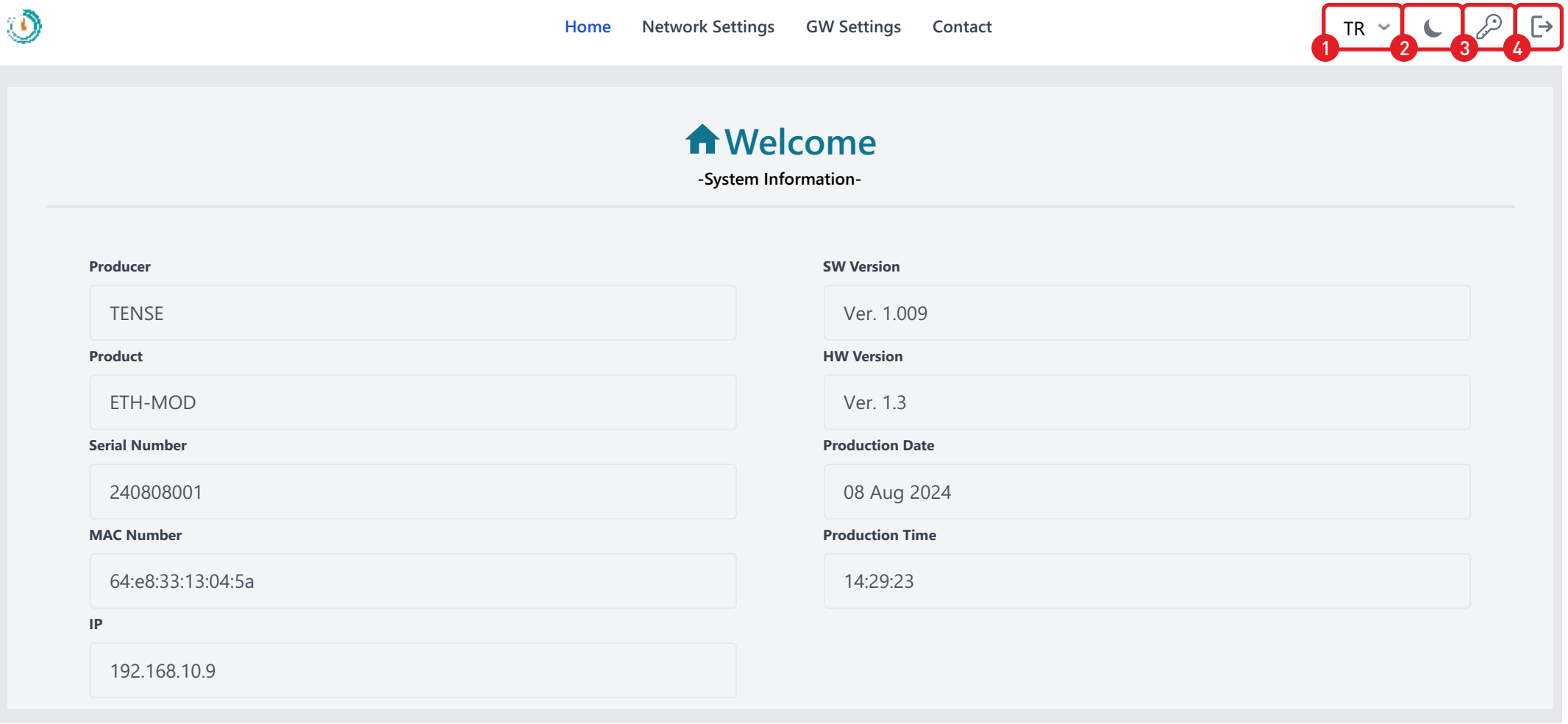
NOTE: The serial number of the device is written on the label on the device.

After accessing the web interface of the device, you can log in to the web interface with your username and password information.

The default username and password information is as follows.

Username: admin
Password: tense

To change the language of the device's web interface, you can use the "TR" button at the top right of the page.



2- Home Tab

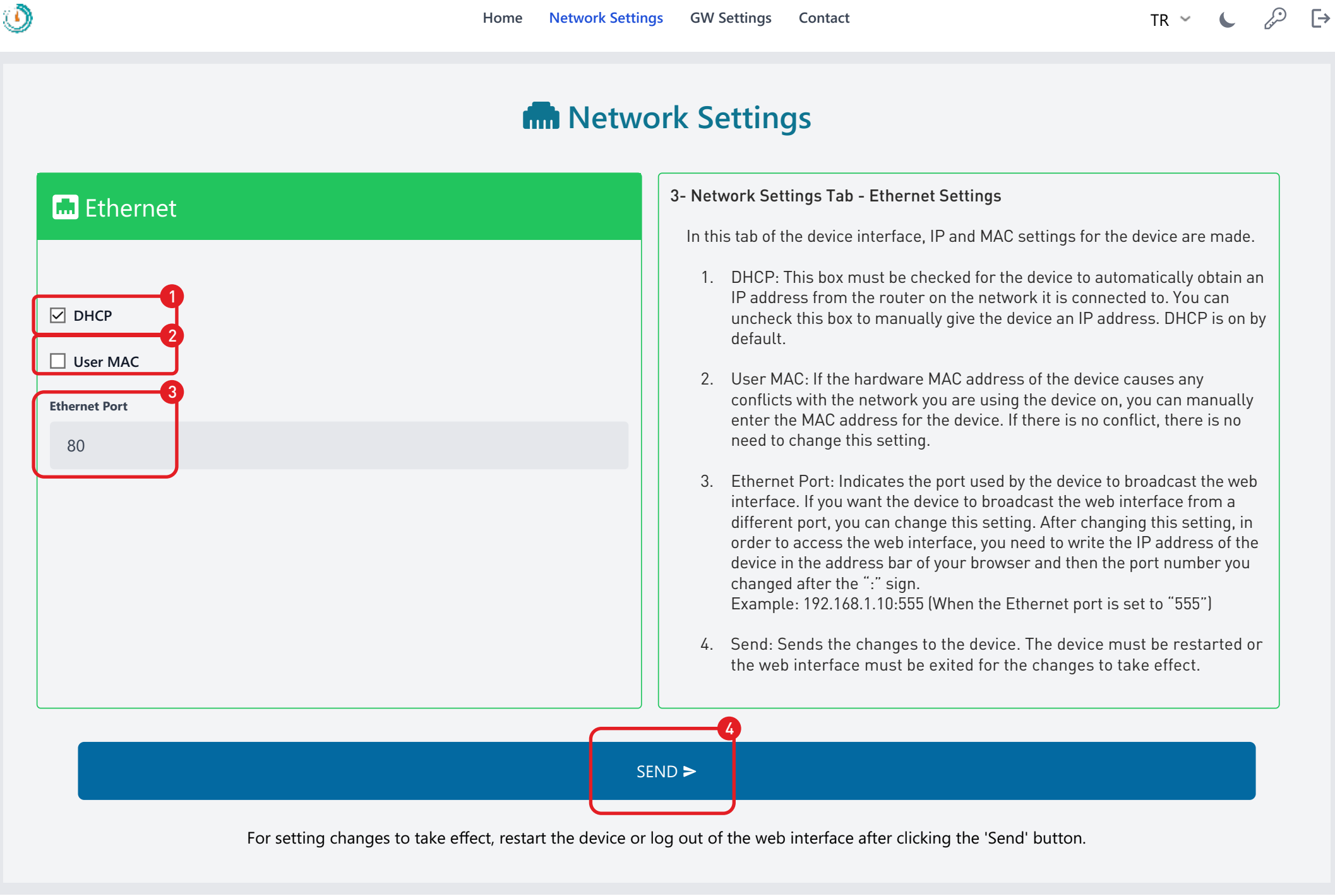
This tab of the device interface contains information about the device. The information is as follows.

- Producer
- Product
- Serial Number
- MAC Number
- IP Address of Device
- Software Version
- Hardware Version
- Production Date
- Production Time

2.1 - Interface Settings

Settings related to the web interface of the device are made by using the buttons in the upper right corner of the screen. Here, there are buttons for changing the web interface language, night mode, changing the interface login password and exiting the web interface.

1. Change Language: Allows the web interface to be used in Turkish or English.
2. Day/Night Mode: Allows the web interface to be used in Night or Day mode.
3. Change Password: Allows you to change the password for logging into the web interface.
4. Logout: Allows you to exit the web interface.


Home
Network Settings
GW Settings
Contact
TR
Network Settings
Ethernet
1
DHCP
2
User MAC
3
Ethernet Port
80
3- Network Settings Tab - Ethernet Settings
In this tab of the device interface, IP and MAC settings for the device are made.
1. DHCP: This box must be checked for the device to automatically obtain an IP address from the router on the network it is connected to. You can uncheck this box to manually give the device an IP address. DHCP is on by default.
2. User MAC: If the hardware MAC address of the device causes any conflicts with the network you are using the device on, you can manually enter the MAC address for the device. If there is no conflict, there is no need to change this setting.
3. Ethernet Port: Indicates the port used by the device to broadcast the web interface. If you want the device to broadcast the web interface from a different port, you can change this setting. After changing this setting, in order to access the web interface, you need to write the IP address of the device in the address bar of your browser and then the port number you changed after the ":" sign.
Example: 192.168.1.10:555 (When the Ethernet port is set to "555")
4. Send: Sends the changes to the device. The device must be restarted or the web interface must be exited for the changes to take effect.
4
SEND
For setting changes to take effect, restart the device or log out of the web interface after clicking the 'Send' button.

Home | Network Settings | GW Settings | Contact

TR

Network Settings

RS-485

1 **Baud Rate**

9600

2 **Parity**

None

3 **Stop Bit**

1 Bit

4 **Timeout**

5000 msec

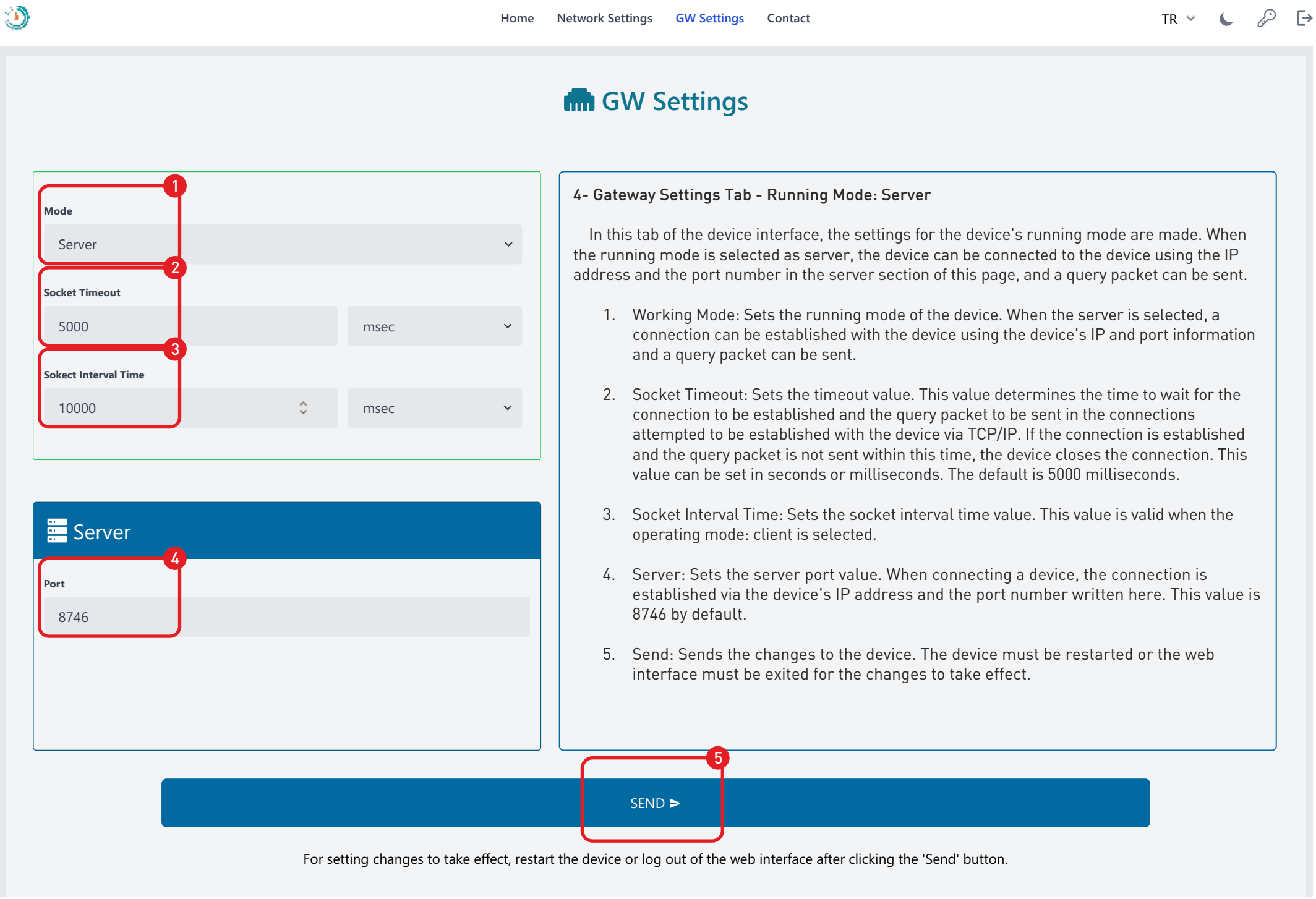
3- Network Settings Tab - RS485 Settings

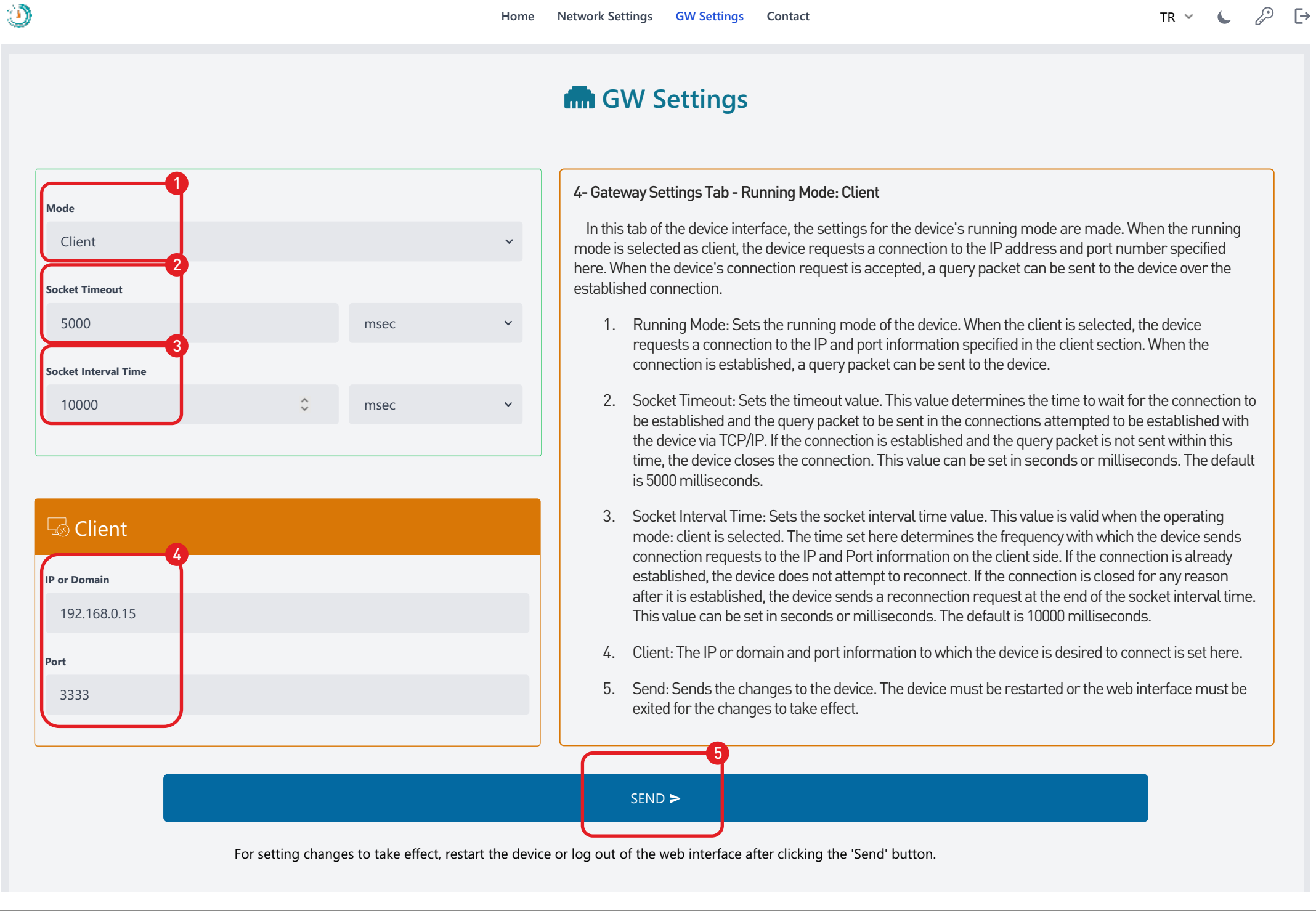
In this tab of the device interface, settings related to the RS485 port of the device are made. These settings should be made according to the device connected to the RS485 ports of the device.

1. Baudrate: Sets the communication speed of the RS485 port of the device. This value can be set between 110 and 230400bps.
2. Parity: Sets the parity value. This value can be set to None, Even and Odd.
3. Stop Bit: Sets the stop bit value. This value can be set as 1, 1.5 and 2 bit.
4. Timeout: Sets the timeout value. This value determines the response time to be waited for devices connected to the RS485 port. This value can be set in seconds or milliseconds.
5. Send: Sends the changes to the device. The device must be restarted or the web interface must be exited for the changes to take effect.

5 SEND

For setting changes to take effect, restart the device or log out of the web interface after clicking the 'Send' button.


Home
Network Settings
GW Settings
Contact
TR
GW Settings
1
Mode
Server
2
Socket Timeout
5000
msec
3
Sokect Interval Time
10000
msec
Server
4
Port
8746
4- Gateway Settings Tab - Running Mode: Server
In this tab of the device interface, the settings for the device's running mode are made. When the running mode is selected as server, the device can be connected to the device using the IP address and the port number in the server section of this page, and a query packet can be sent.
1. Working Mode: Sets the running mode of the device. When the server is selected, a connection can be established with the device using the device's IP and port information and a query packet can be sent.
2. Socket Timeout: Sets the timeout value. This value determines the time to wait for the connection to be established and the query packet to be sent in the connections attempted to be established with the device via TCP/IP. If the connection is established and the query packet is not sent within this time, the device closes the connection. This value can be set in seconds or milliseconds. The default is 5000 milliseconds.
3. Socket Interval Time: Sets the socket interval time value. This value is valid when the operating mode: client is selected.
4. Server: Sets the server port value. When connecting a device, the connection is established via the device's IP address and the port number written here. This value is 8746 by default.
5. Send: Sends the changes to the device. The device must be restarted or the web interface must be exited for the changes to take effect.
5
SEND
For setting changes to take effect, restart the device or log out of the web interface after clicking the 'Send' button.


Home
Network Settings
GW Settings
Contact
TR
GW Settings
1
Mode
Client
2
Socket Timeout
5000
msec
3
Socket Interval Time
10000
msec
Client
4
IP or Domain
192.168.0.15
Port
3333
4- Gateway Settings Tab - Running Mode: Client
In this tab of the device interface, the settings for the device's running mode are made. When the running mode is selected as client, the device requests a connection to the IP address and port number specified here. When the device's connection request is accepted, a query packet can be sent to the device over the established connection.
1. Running Mode: Sets the running mode of the device. When the client is selected, the device requests a connection to the IP and port information specified in the client section. When the connection is established, a query packet can be sent to the device.
2. Socket Timeout: Sets the timeout value. This value determines the time to wait for the connection to be established and the query packet to be sent in the connections attempted to be established with the device via TCP/IP. If the connection is established and the query packet is not sent within this time, the device closes the connection. This value can be set in seconds or milliseconds. The default is 5000 milliseconds.
3. Socket Interval Time: Sets the socket interval time value. This value is valid when the operating mode: client is selected. The time set here determines the frequency with which the device sends connection requests to the IP and Port information on the client side. If the connection is already established, the device does not attempt to reconnect. If the connection is closed for any reason after it is established, the device sends a reconnection request at the end of the socket interval time. This value can be set in seconds or milliseconds. The default is 10000 milliseconds.
4. Client: The IP or domain and port information to which the device is desired to connect is set here.
5. Send: Sends the changes to the device. The device must be restarted or the web interface must be exited for the changes to take effect.
5
SEND
For setting changes to take effect, restart the device or log out of the web interface after clicking the 'Send' button.

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