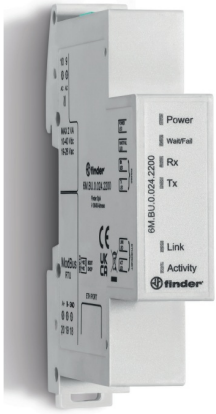
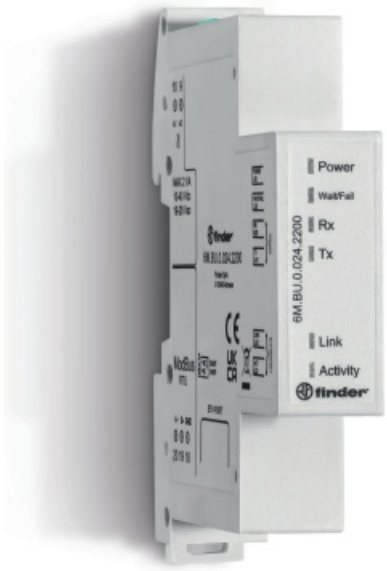


finder RS485 RTU Modbus TCP/IP Gateway User Guide

finder RS485 RTU Modbus TCPIP Gateway



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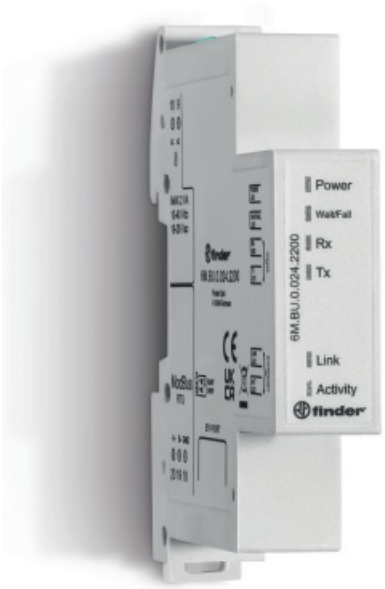
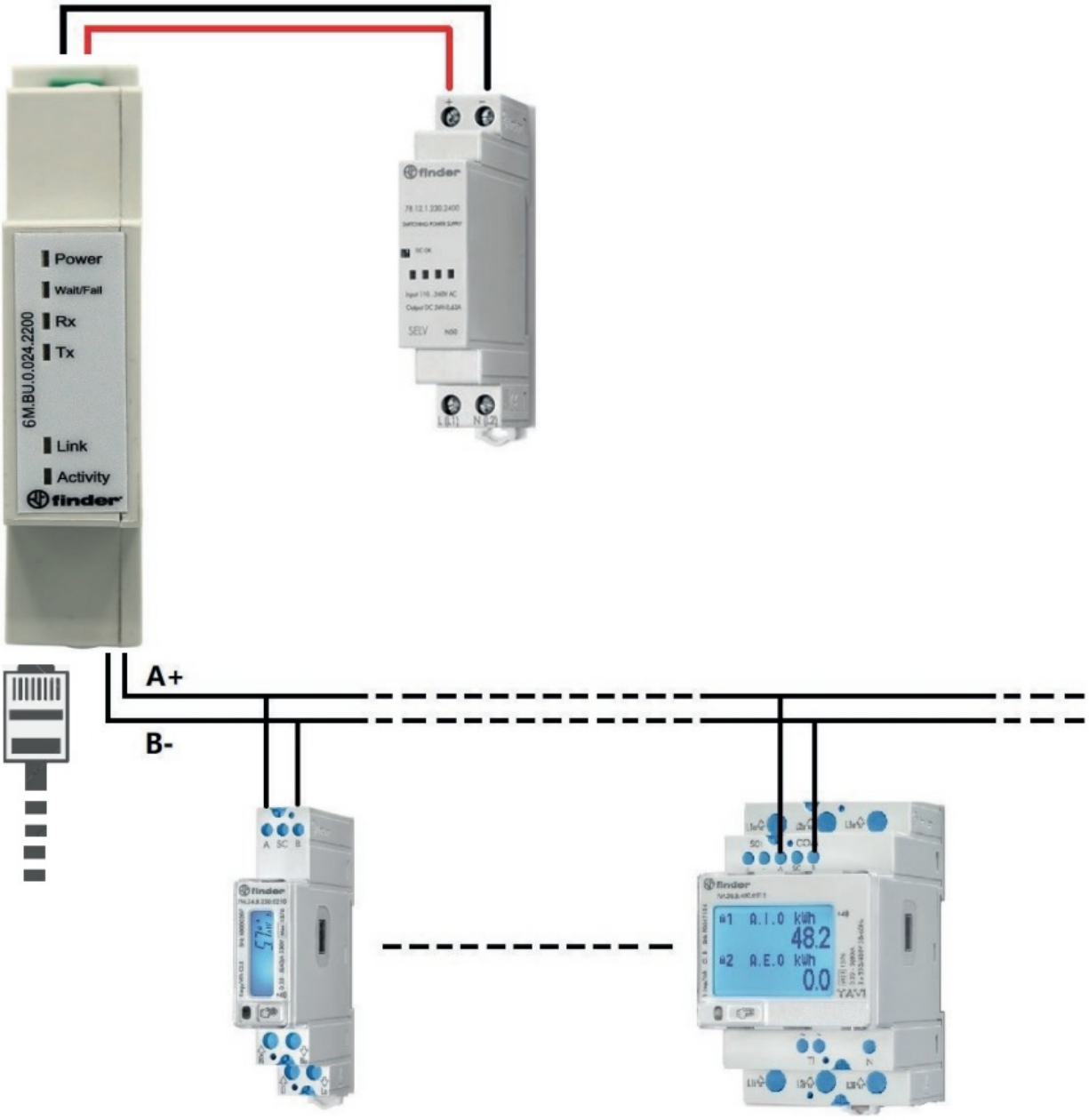
PRODUCT OVERVIEW



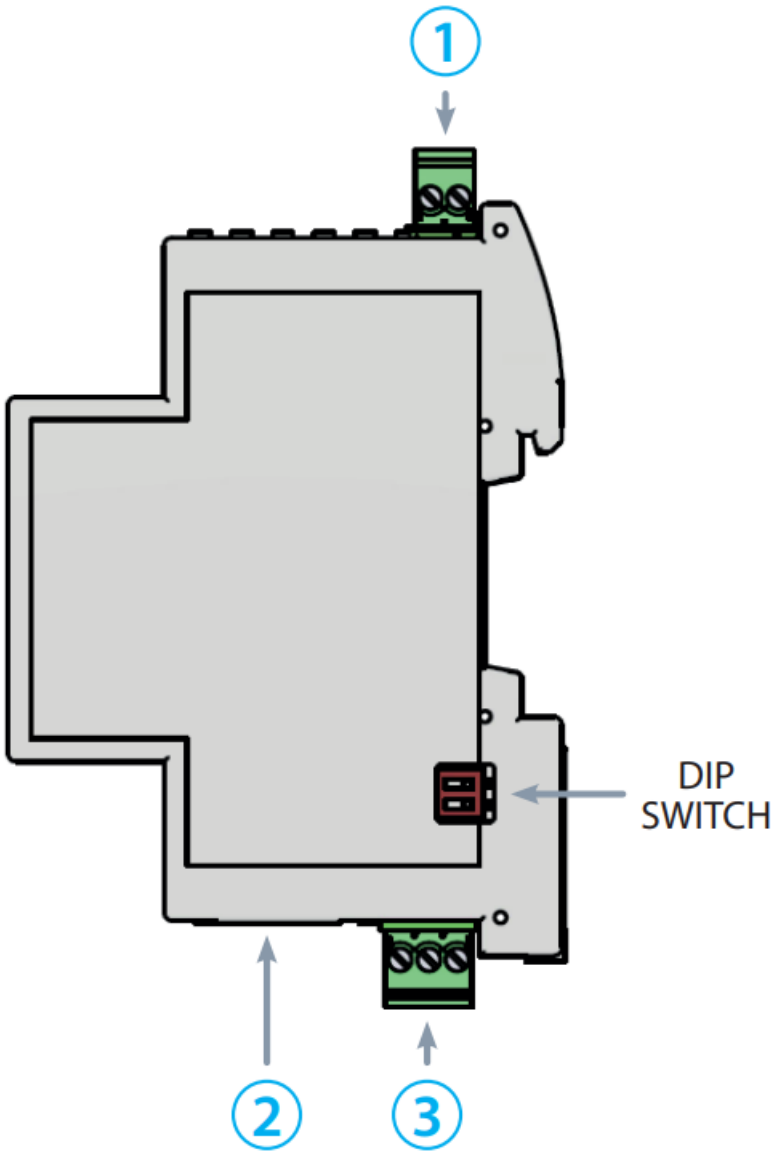
The 6M.BU.0.024.2200 provides a Modbus TCP/IP interface for up to 200 Modbus RS485 RTU devices; communicating with up to 10 clients at the same time.

WIRING



Before proceeding with programming it is first necessary to set the DIP switches to enable programming and access to the local network.

DEVICE POWER SUPPLY



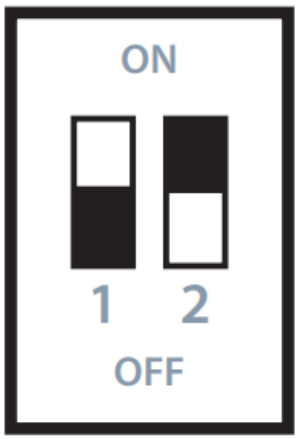
The 6M.BU requires a 24 V AC or DC power supply.

1. Power supply connector. The 6M.BU must be connected to a power supply with 12 or 24 V output voltage
2. RJ45 connector for ETH cable
3. Modbus RS485 shielded cable connector

To power the device correctly, we recommend using Finder power supply Type 78.12.1.230.2400 to power the device at 24 V DC, or Type 78.12.1.230.1200 to power at 12 V DC.
Both are 12 W power supplies; the choice of voltage being made according to the power supply voltage required for other components in the panel.
If it is necessary to use a power supply with higher power, please view our catalog or the website page:
https://cdn.findernet.com/app/uploads/S78IT.pdf

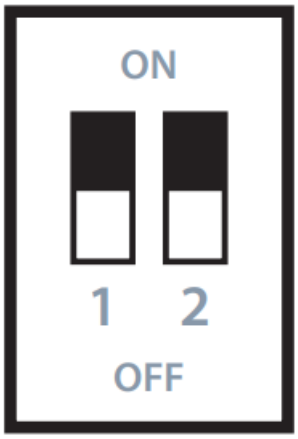
DIP SWITCH

1: ON
2: OFF



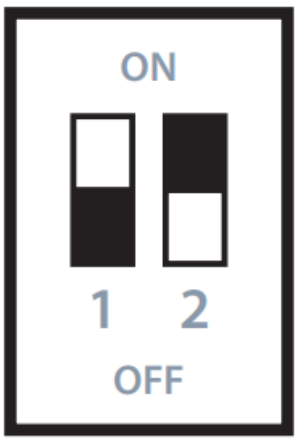
Default communication parameters (192.168.178.29; 115200, 8, N, 1)
This DIP switch setting allows access using the factory set parameters

1: ON
2: OFF



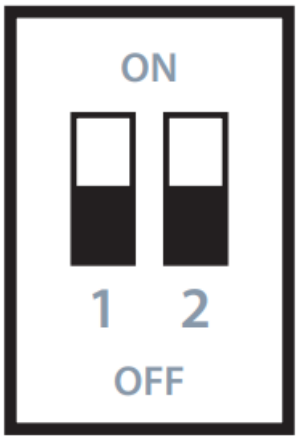
This DIP switch setting allows use of the parameters set by the user and stored in the internal memory. If the DIP switches are not in this position the 6M.BU will operate with the default parameters. Once the setting has been done, it is necessary to remove and re-apply the supply voltage to the 6M.BU in order to upload the parameters as set

1: OFF
2: ON



DHCP Enabled

1: ON
2: ON



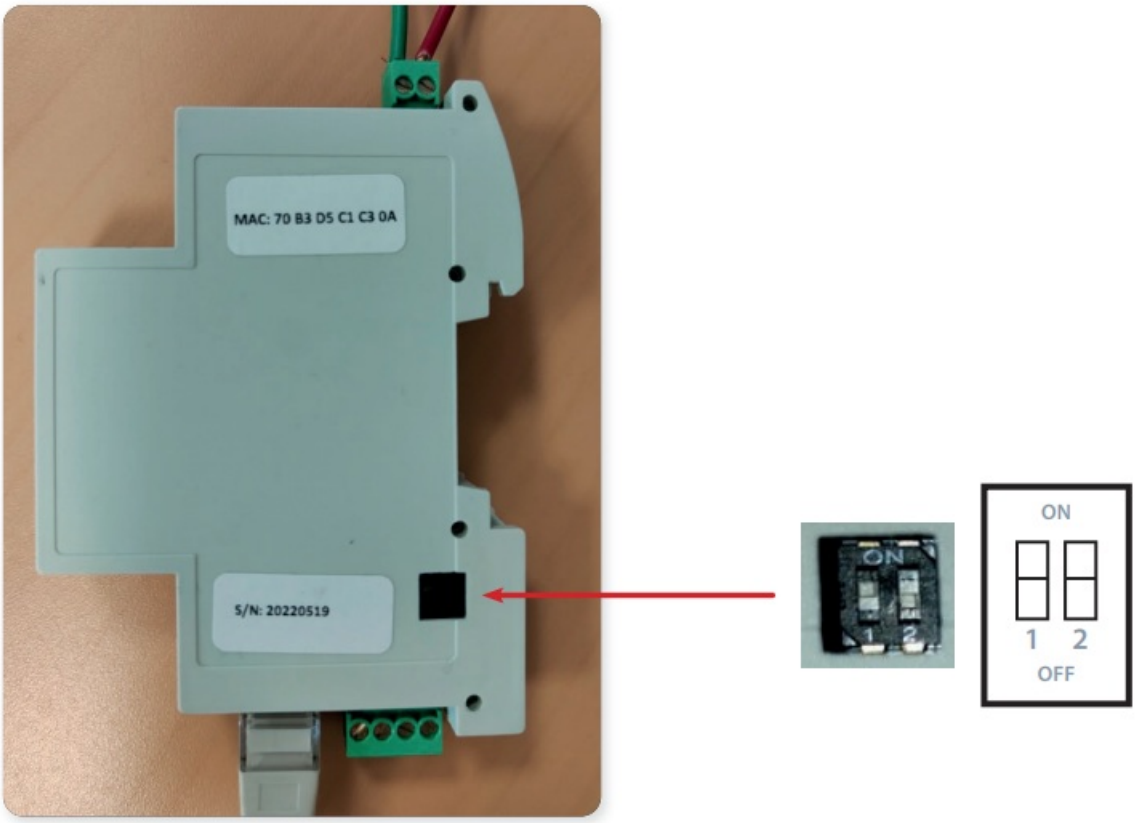
Enabling for firmware update (BOOT LOADER)

LED INDICATORS

LED			
FUNCTION	**COLOUR**	**STATUS**	**MEANING**
Power	Green	ON	Power supply OK
Wait/Fail	Yellow	Wait: slow blinking	Waiting for Ethernet communication
		Fail: fast blinking	ETH communication in progress (or Bootloader activated)
RX	Red	Blinking	Receives data from RS485
TX	Red	Blinking	Transmits data from RS485
Link	Yellow	ON	ETH connection ready
Activity	Yellow	Blinking	ETH activity in progress

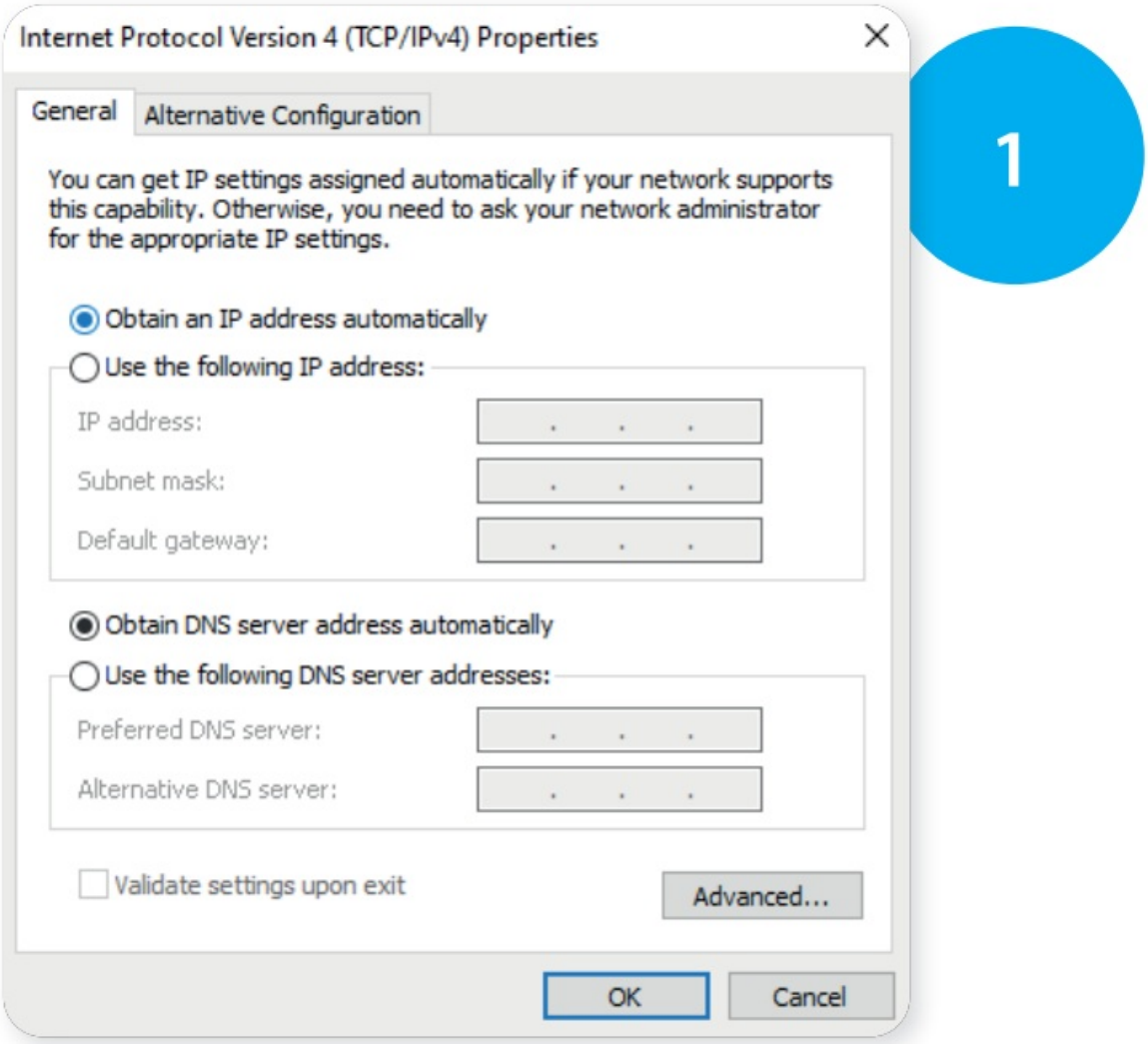
SETTINGS

Windows settings to create local net suitable for 6M.BU

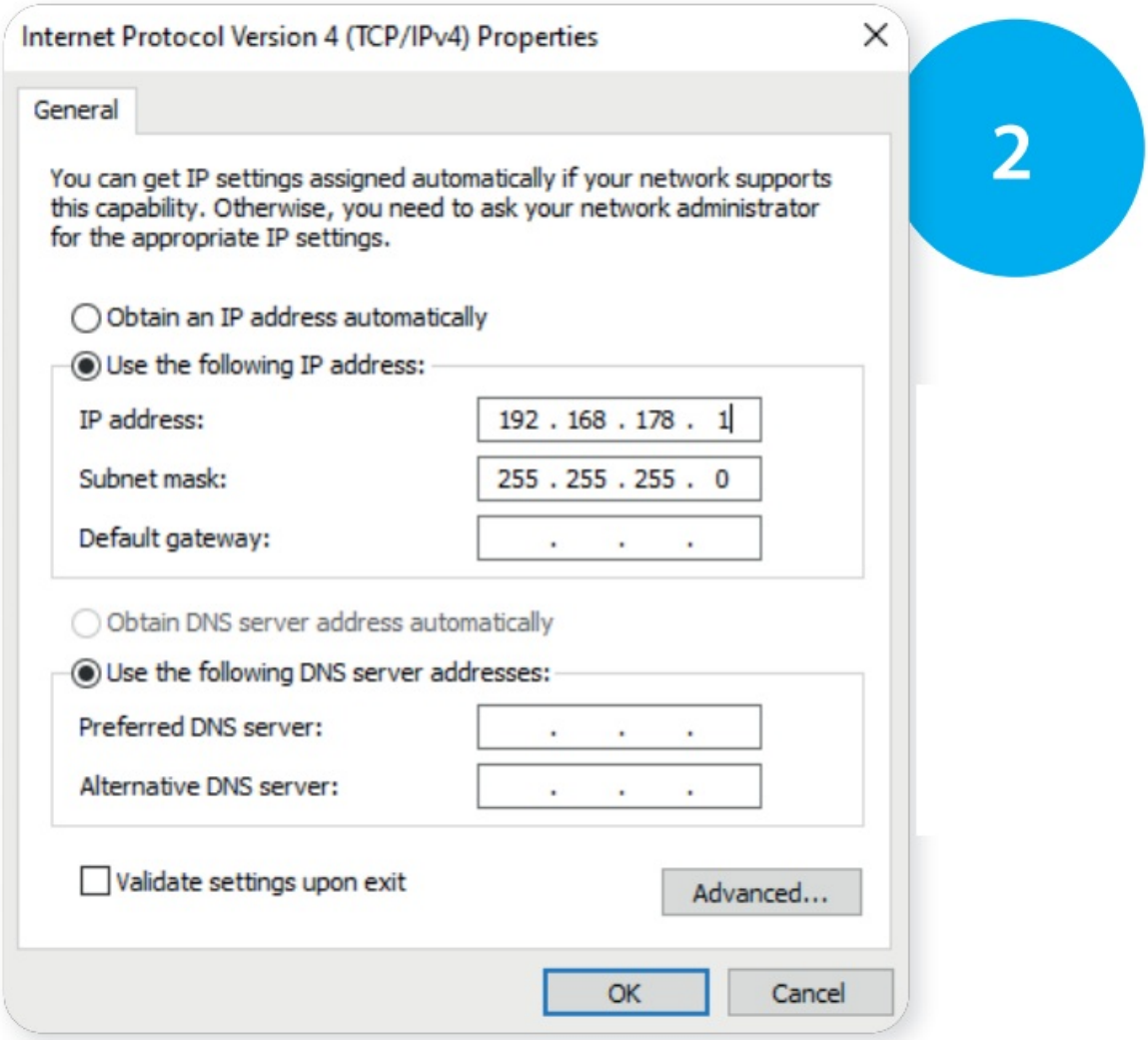


Control panel
Select: Network and sharing center
Select: Change Ethernet settings
Right click > “Ethernet” > Properties
Internet protocol version 4 (TCP/IPv4) > Properties

1. Select: use the following IP address Write in “IP address”: 192.168.178.1 Press “Tab” or click on “subnet mask”



2. Click on: OK, then Close

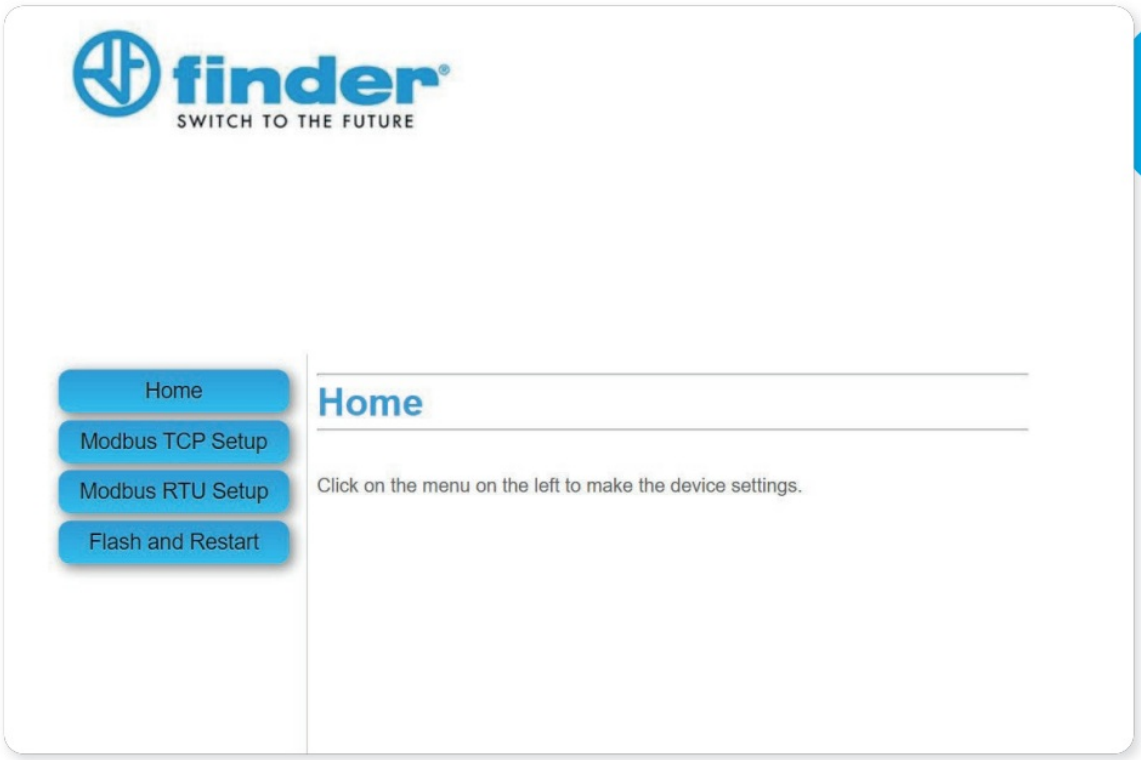


Click on Chrome

Type in the URL bar: 192.168.178.29

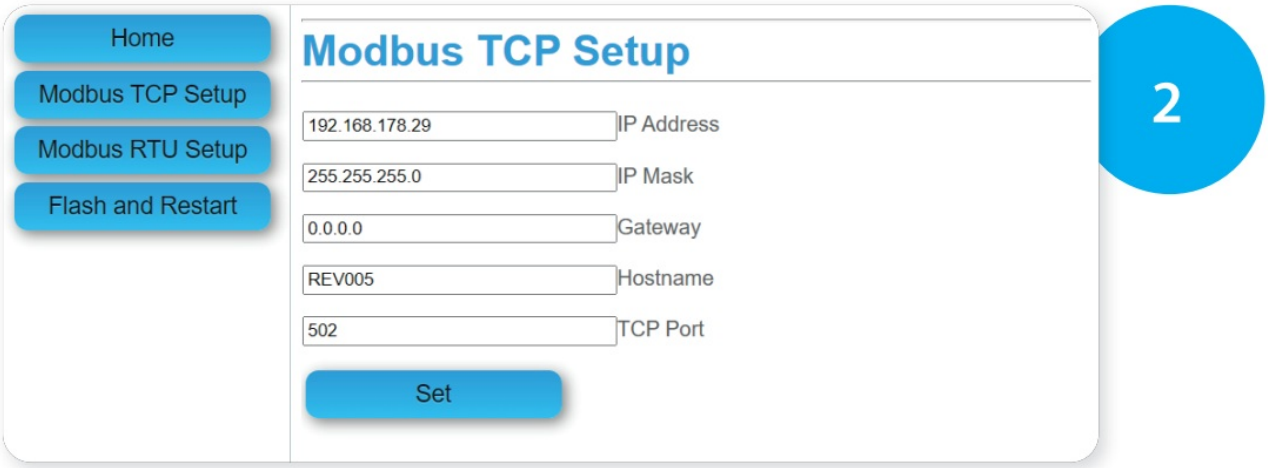
Press “Enter” and we are connected to the 6M.BU

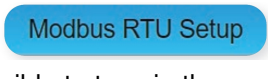
WEB SERVER



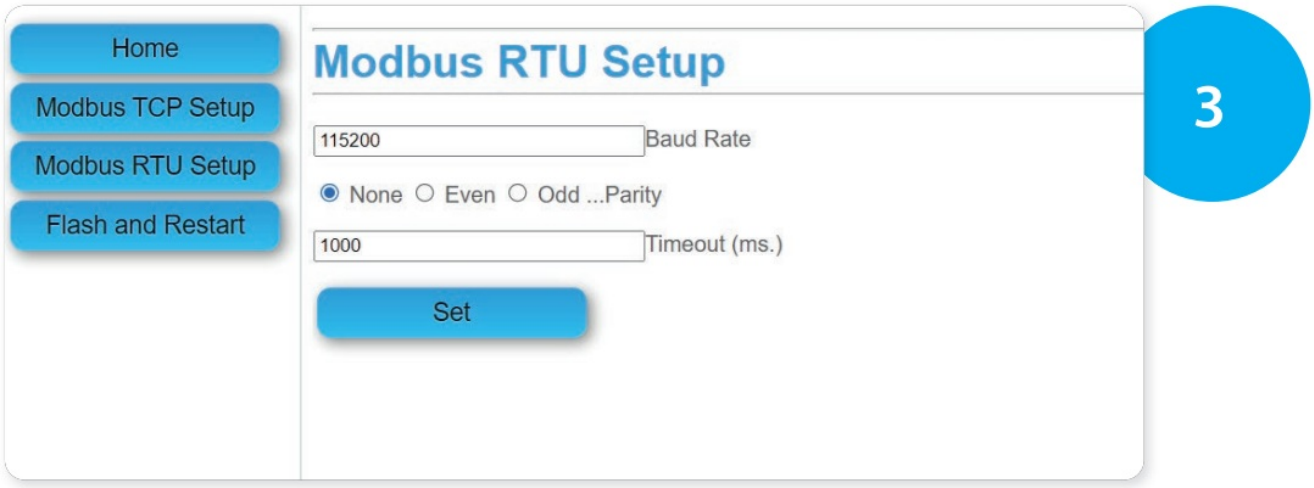
Pressing on 

It is possible to type in the parameters of the network on to which the 6M.BU is installed



Select 

It is possible to type in the parameters of the network on to which the 6M.BU is installed

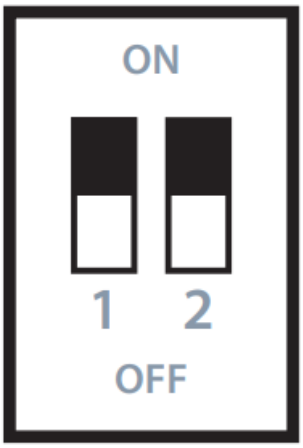


Once the settings have been made, click on Flash and Restart
Done! The 6M.BU is programmed and ready to be used with the new settings

IMPORTANT

Switch off 6M.BU by removing the power supply.

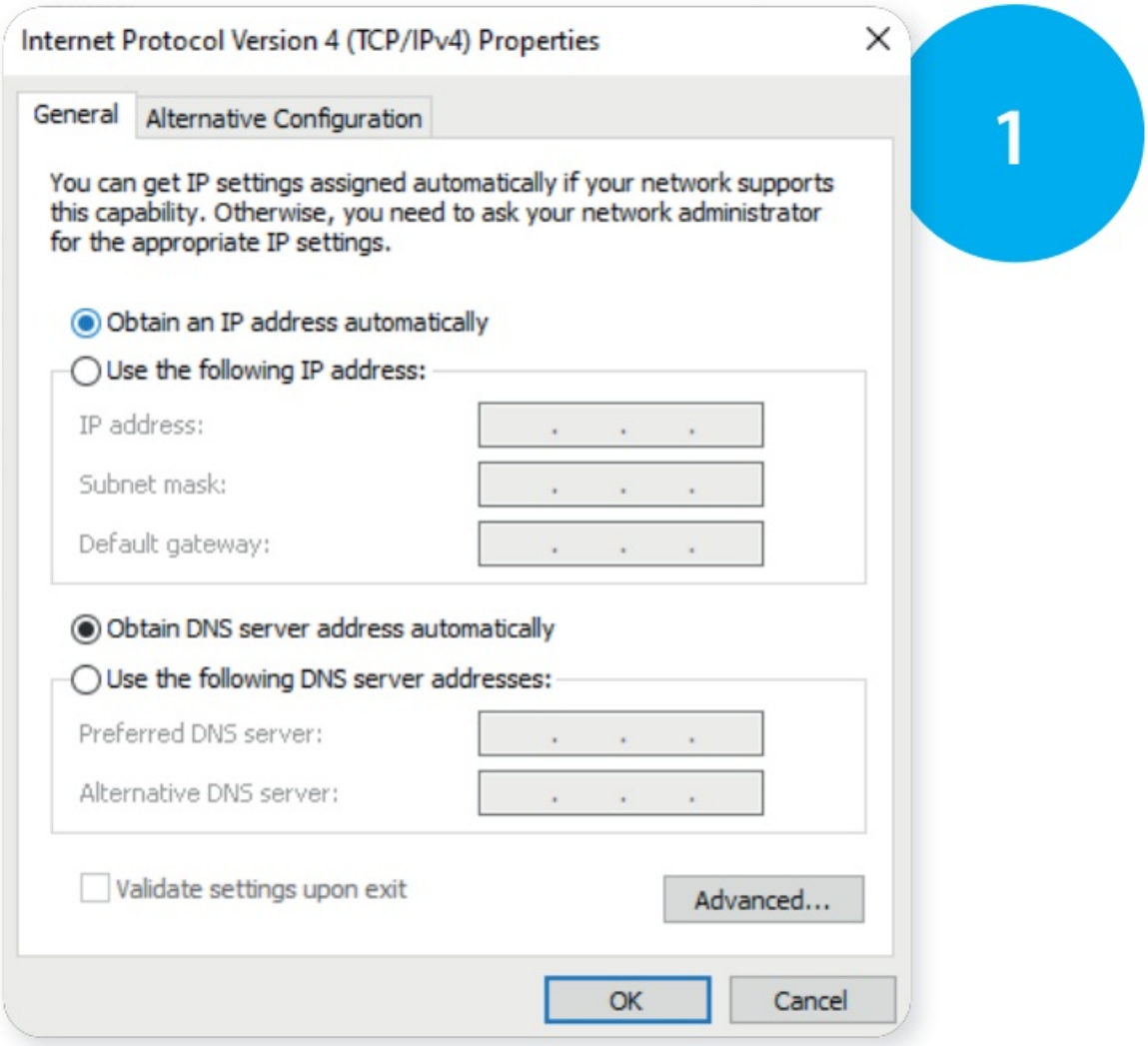
Move the DIP switch 1 to OFF position (both DIP switches must be positioned to “0” – OFF).



Power up the 6M.BU and it will start to work using the new parameters set.

Network adapter settings reset
Windows Network settings reset
Control panel
Select: Network and sharing center
Select: Change Ethernet settings
Ethernet
Right click > Properties
Internet protocol version 4 (TCP/IPv4) > Properties

Select: “Automatically obtain IP address” Click on: OK, then Close



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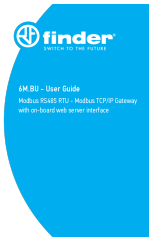
Documents / Resources

	finder RS485 RTU Modbus TCP/IP Gateway [pdf] User Guide RS485 RTU Modbus TCP IP Gateway, RS485 RTU, Modbus TCP IP Gateway, TCP IP Gateway , IP Gateway

References

- Relays, Timers, Movement detectors, Dimmers - Finder Relays, Inc.

Manuals+,