

Documentation (English) / Installation and Quick Configuration Manual /
Monitoring units

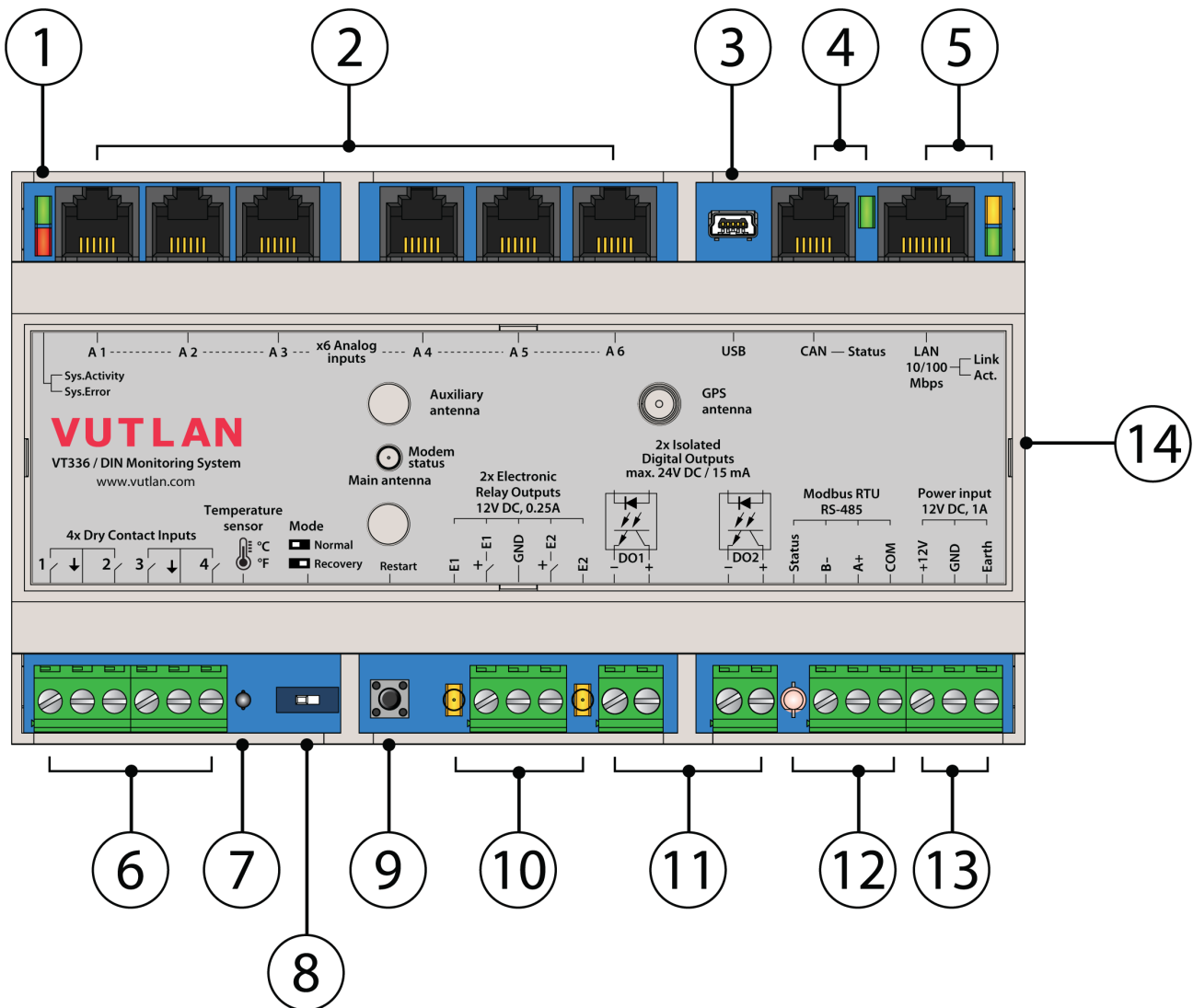


VT336 / DIN Monitoring unit

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Last updated мая 15, 2020

Functional description & components



1. **"LED: ACTIVITY"** - green LED indicates appliance status

"LED: ERROR» - red LED indicates system error and traffic.

2. **"Analog sensors: A1..A6"** - x6 RJ12 analog sensor inputs with auto-sensing. Read instructions at ["Analog sensors connection"](#), ["Sensor configuration"](#).

3. **"USB"** - mini-USB port 2.0, required to connect a USB camera, USB flash, USB keyboard, mouse.

3. **"USB"** - type miniAB USB-port 2.0, required to connect a USB camera, USB flash, USB hub or to restore an appliance using USB flash.

4. **"CAN"** - digital connector RJ12 for the connection of CAN sensors and CAN extensions on a CAN bus, with auto-sensing. Read instructions at ["CAN devices connection"](#), ["Setting up CAN"](#).

- **"CAN Status"** - LED for digital bus sensors:
- The LED blinks slowly - nothing is connected
- The LED blinks fast - configuration is in process
- The LED glows constantly - connected to CAN devices

5. **"LAN port"** - Ethernet 10/100 Base-T port, provides an Ethernet connection.

- **"LAN Link"** - orange LED for Ethernet port. Shows network traffic.
- **"LAN Activity"** - green LED for Ethernet port. Shows network traffic. Flashes green when the system starts up. Shows the connection state (constant green light - the connection is established, blinking green - the connection attempt).

6. **"DRY CONTACT INPUTS 1...4"** - Digital inputs. Read instructions at ["Connecting dry contacts"](#), ["Dry contacts settings"](#).

7. **"TEMPERATURE SENSOR"** - accuracy +/- 1 °C.

8. **"MODE"** - a DIP switch for changing system modes.

- **Normal mode** —: Normal operating state. The system should be always switched to this.
- **Recovery** —: Turns a recovery mode On. Use this option only in case you need to recover manufacturing settings. Read instructions at ["Factory settings recovery"](#).

9. **"RESTART"** - button restarts the appliance. Press the button for several seconds.

10. **"OUTPUT 12V 0.25A"** - 12V 0.25A output electronic relay terminal. Read instructions at ["Connecting 12V devices to 12V outputs"](#).

11. **"ISOLATED DRY CONTACTS OUTPUTS 1...4"** - Digital outputs 24VDC / 15mA (type OUT). Read instructions at ["Connecting dry contacts"](#), ["Dry contacts settings"](#).

12. **"RS-485 MODBUS RTU"** - port for connecting Modbus RTU / RS-485 sensors and devices. Read instructions at ["Connecting Modbus RTU sensors to VT336 & VT336PoE"](#), ["Configuring Modbus devices"](#).

- **"RS-485 Status"** - LED for displaying Modbus RTU port status.

13. **"DC 12V 1A"** - DC power input. Instructions in a section below.

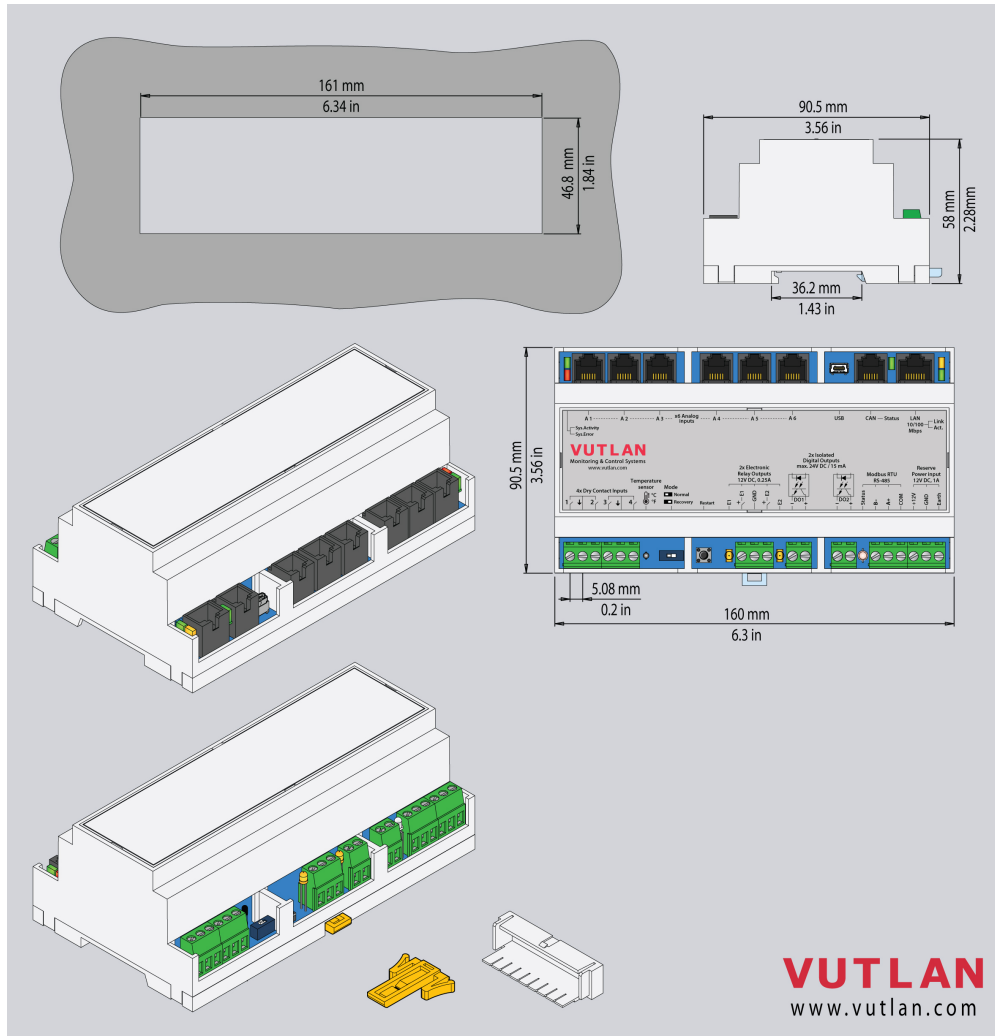
14. **"Modem"** - "VT770 / LTE, GPS modem" is ordered separately. Read instructions at ["Connecting VT770 / LTE, GPS modem"](#), ["Network: LAN, GSM, LTE"](#).

- **"Modem status"** - LED displays modems status.
- **"SIM card slot"** - Open the top cover to insert a SIM card.
- **"GSM, LTE main antenna"** - Connect GSM or LTE main antenna.
- **"LTE auxiliary antenna"** - Connect LTE auxiliary antenna (Auxiliary LTE antenna and antenna output are ordered separately from the modem). It helps to establish a stronger and more stable signal

are ordered separately from the modem. It helps to establish a stronger and more stable signal.

- **"GPS active antenna"** - GPS antenna and antenna output are ordered separately from the modem. Allows to set the time using GPS and shows the location of the device on the map.

Dimensions



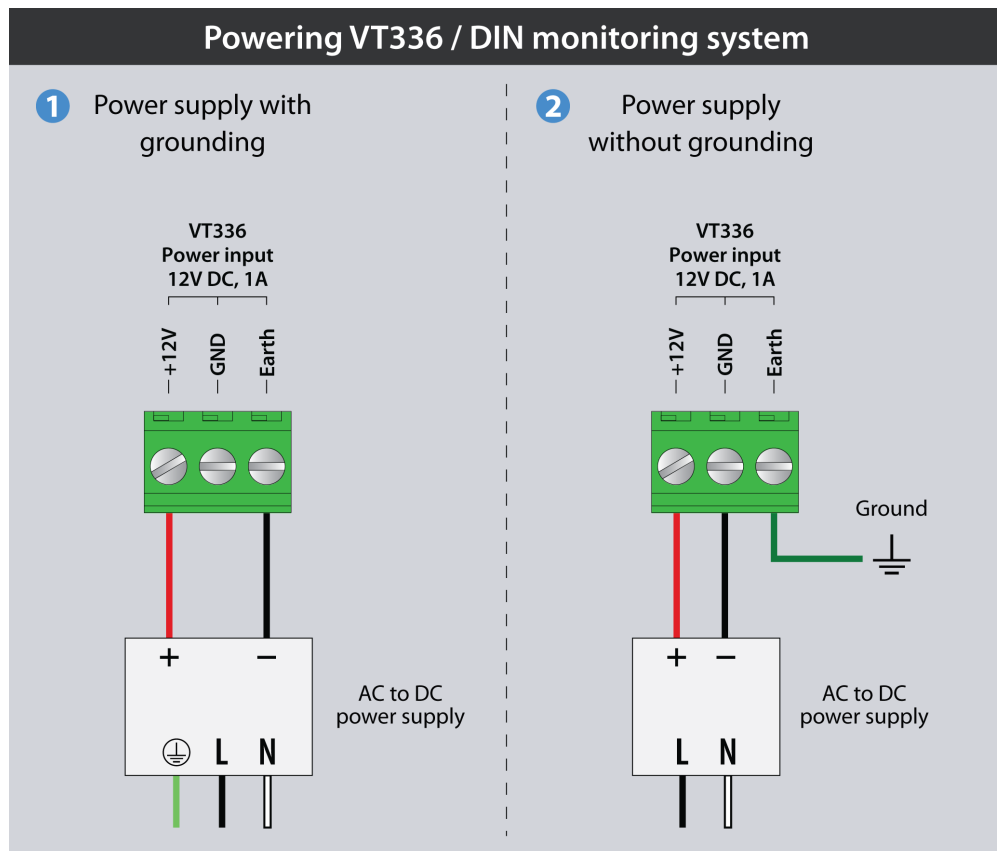
Function & Order options & Technical specifications

Product info is located at the product page "[VT336 product page](#)".

Powering the device

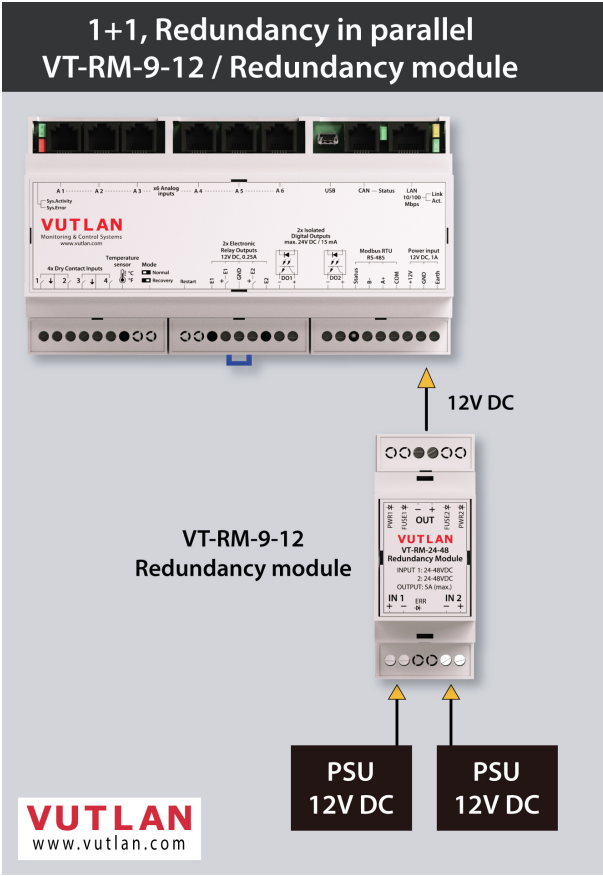
:

1. Power supply with grounding.
2. Power supply without grounding.



Powering the device using VT-RM-9-12 / Mosfet Redundancy module

VT-RM-9-12 decouples the outputs of the power supplies (9-12VDC, Max. 5A). Automatically supplies load current (Smooth Switchover) from the system input supply with the higher voltage.

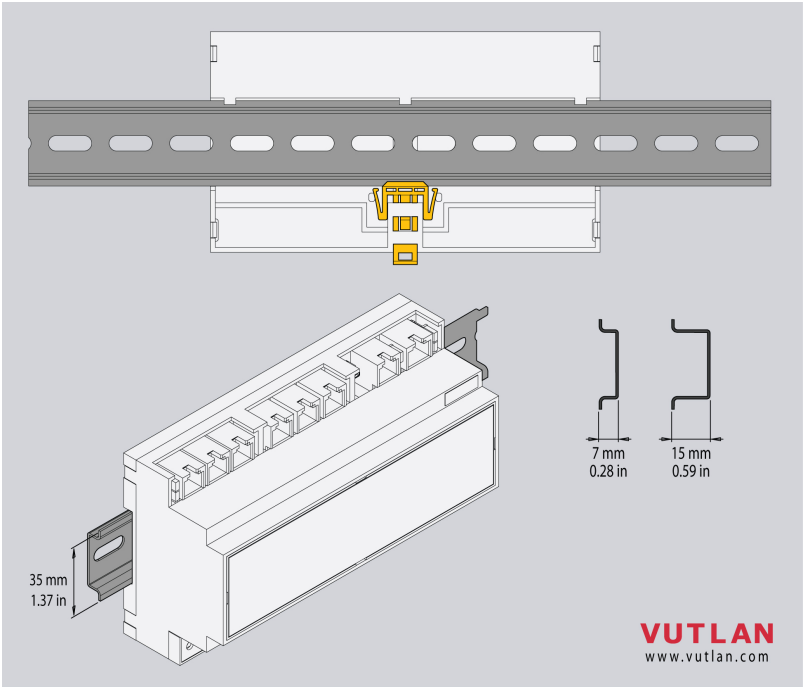


Inventory

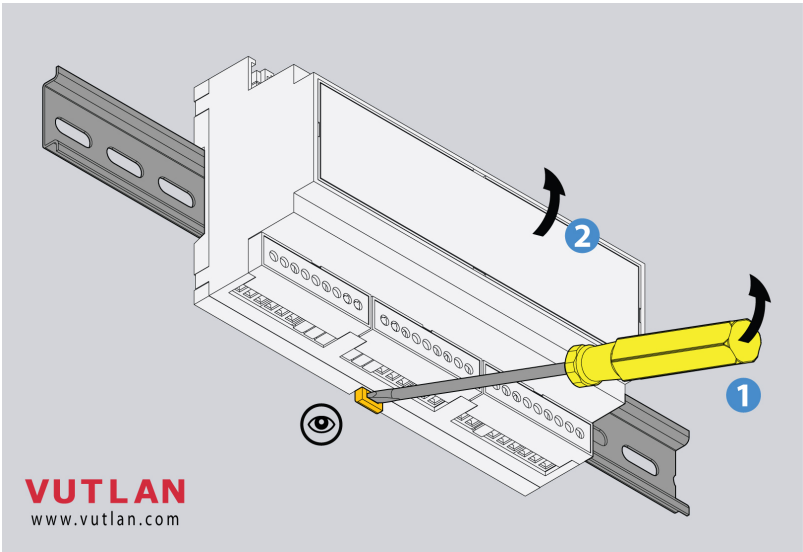
VT336 package content

Mounting the device on a DIN rail

1	1 2 CLICK!!! VUTLAN www.vutlan.com	Insert the DIN rail holder as shown on the picture
2		Press the module onto the DIN rail, it should snap.



3

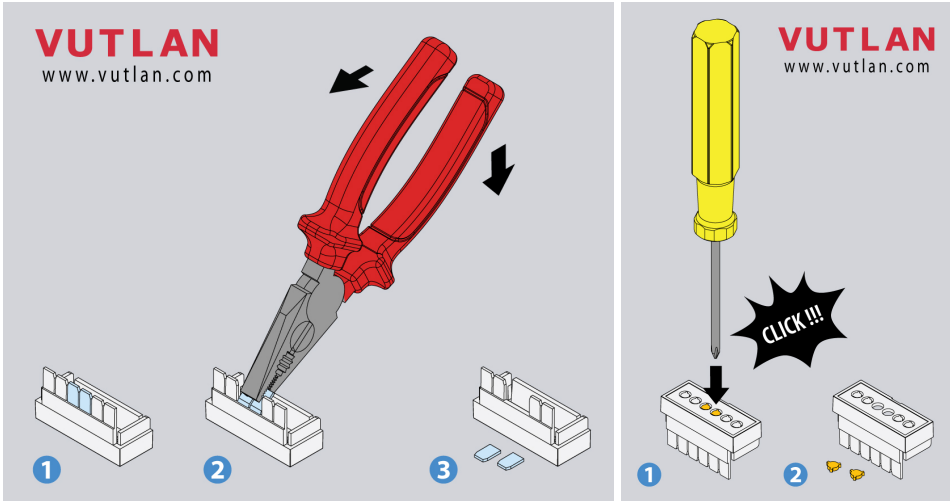
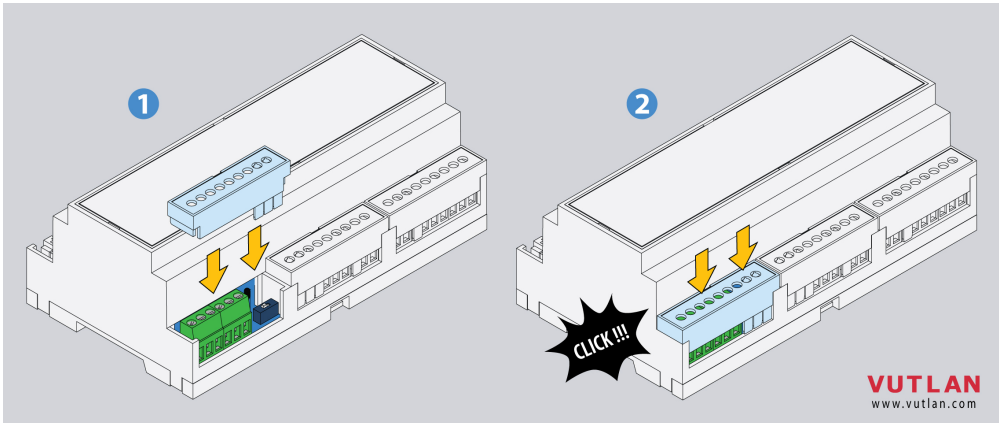
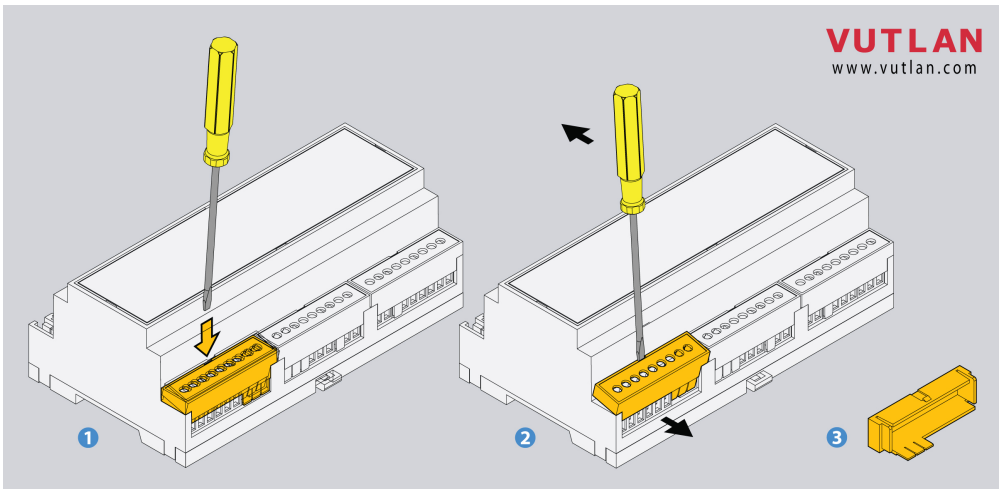


- To dismantle the unit from the DIN rail:
- Use a flat screwdriver and insert it into the DIN rail holder.
 - Pull the handle of the screwdriver to start pulling the DIN rail holder.
 - Now You can pull the enclosure from the DIN rail.

Mounting enclosure guards

1

- Use pliers or a cutter to cut necessary plastic petals.
- Use a screwdriver to make

		necessary holes in the plastic guards.
2		Simply slide it inside the empty spaces until it clicks.
3		Use a screwdriver to pull it out.

Using terminal connectors

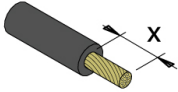
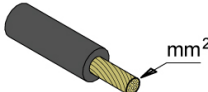
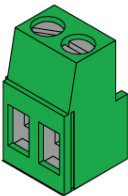
The system uses terminal blocks for several interfaces:

- x4 dry contact inputs
- x2 Electronic relay outputs
- x2 Isolated digital outputs

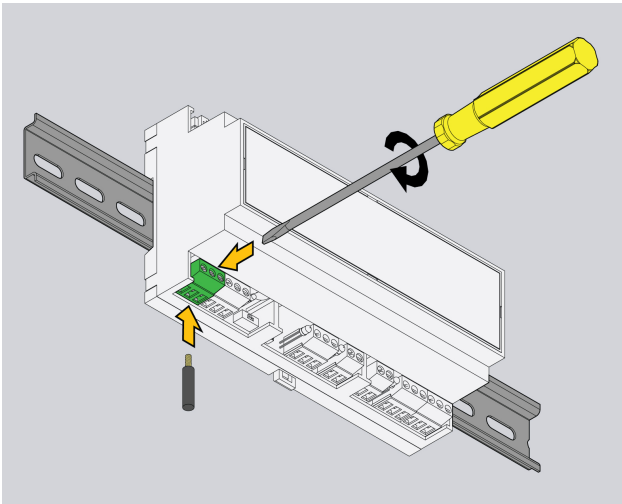
- x2 isolated digital outputs
- RS-485 Modbus RTU

- Power supply input

They share the same characteristics.

Specifications		Strip length	Wire cross-section	Screw head
				
Terminal blocks Step: 5.08 mm		6 - 7 mm 0.23 - 0.27 in	2.5 mm ² 0.09 in ² #26 - #12 AWG	Flat 3.5 mm 0.13 in

Using the table above, you can mount the cables.



Device configuration

1. [Initial Configuration \(web interface\)](#)
2. [Configuring \(web interface\)](#)

Developer notes:

No labels