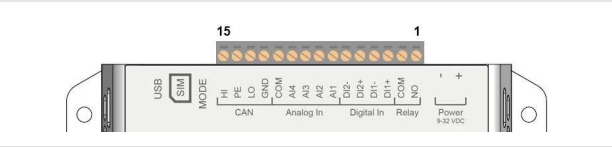
1.2.2 I/O Terminal Block



Pin	Label	Function	Note
15	HI	CAN High	(reserved for future use)
14	PE	CAN Shield	
13	LO	CAN Low	
12	GND	CAN Ground	
11	COM	Analog Input common	
10	AI4	Analog Input 4	0–20 mA or 0–10 VDC
9	AI3	Analog Input 3	0–20 mA or 0–10 VDC or PT100
8	AI2	Analog Input 2	0–20 mA or 0–10 VDC
7	AI1	Analog Input 1	0–20 mA or 0–10 VDC or PT100
6	DI2-	Digital Input 2	**Dry contact type – do not apply power to these inputs**
5	DI2+	Digital Input 2	
4	DI1-	Digital Input 1	
3	DI1+	Digital Input 1	
2	COM	Relay output common	Isolated inputs Rated load: 1 A @ 24 VDC
1	NO	Relay output, NO	

The analog inputs can be configured for either current, voltage, or PT100 temperature sensors (AI1, AI3 only).

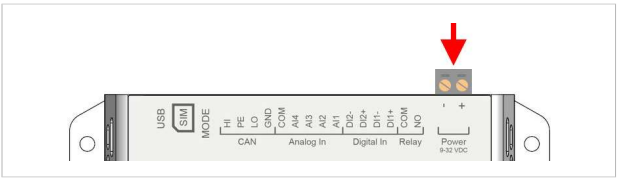
The digital inputs are of the dry contact type which require no control voltage and can be used with switches, relays, etc.

> **!** Do not connect power to the digital inputs as this may damage the unit.

> **!** The relay output must be supplied from an isolating transformer using a secondary listed fuse rated at maximum 3.3 A and minimum 30 VDC.

1.2.3 Power Supply

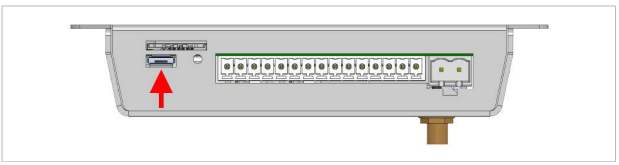
> **!** Connecting power with reverse polarity or using the wrong type of power supply may damage the equipment. Make sure that the power supply is correctly connected and of the recommended type.



Connect a DC power supply of the recommended type to the **+** (plus) **-** (minus) terminals. See also *Technical Data, p. 15*.

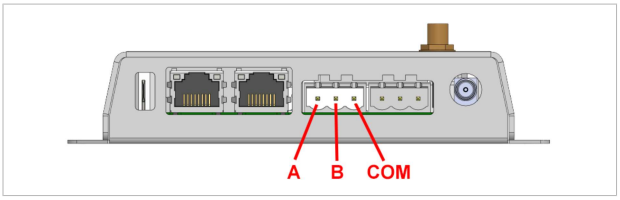
1.2.4 USB Connector

The USB micro B connector can be used to connect a computer locally to the unit for configuration, firmware upgrades and troubleshooting.



1.2.7 RS-485 Serial Interface (3-pin)

The RS-485 interface can be used for multiple Modbus RTU devices.

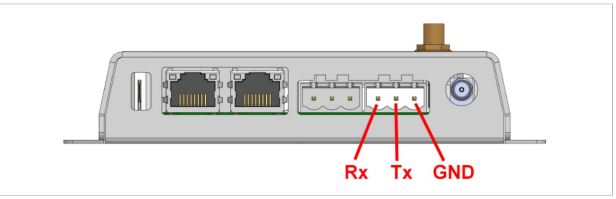


RS-485 connector pin layout

Pin	Function
A	RS-485 A line
B	RS-485 B line
COM	RS-485 common

1.2.8 RS-232 Serial Interface (3-pin)

The RS-232 interface can be used for a single Modbus RTU device.



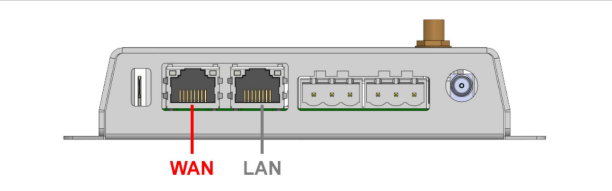
RS-232 connector pin layout

Pin	Function
Rx	Receive (input)
Tx	Transmit (output)
GND	Signal ground

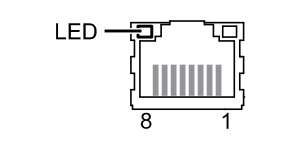
1.2.9 Ethernet Port (RJ-45)

The WAN Ethernet port allows Modbus TCP communication via Ethernet at the same time as Modbus RTU communication on the serial interfaces. It can also be used for accessing the web configuration interface over Ethernet.

The LAN port is reserved for future use.



Pin	Function
1	TD+
2	TD-
3	RD+
4, 5, 7, 8	(reserved)
6	RD-



Ethernet Port LED

Indication	Function
Off	No traffic
Orange, flashing	Traffic (10 Mbit/s)
Green, flashing	Traffic (100 Mbit/s)