




meteo control RS485-422 Mx-Module Interfaces User Guide

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DEVICE OVERVIEW

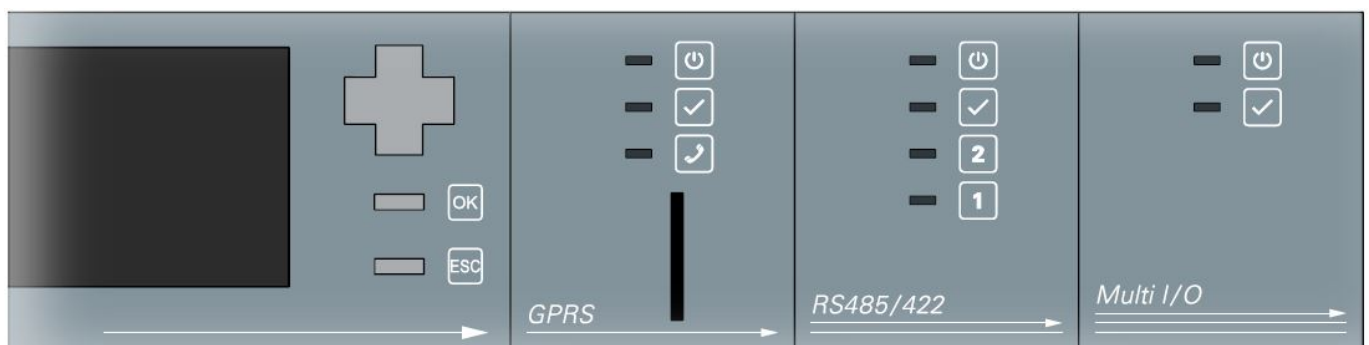


1	LED: Power Status
2	LED: Device Status
3	LED: Bus-2 Connection
4	LED: Bus-1 Connection
5	Connector for blue'Log expansion
6	Interface for RS485/422 – 1
7	Interface for RS485/422 – 2
8	Case lock

CONNECTION ORDER

When connecting MX-Modules to the blue'Log X basis device, the following order needs to be considered:

- The number of lines (incl. line with arrow) at the bottom of the front panel of the blue'Log and on the MX-Modules indicates the order of connection.
- When installing various MX-Modules, they must be connected from left to right sorted by the ascending number of lines (incl. line with arrow). The following illustration describes the correct procedure.



WARNING

Order of expansion modules

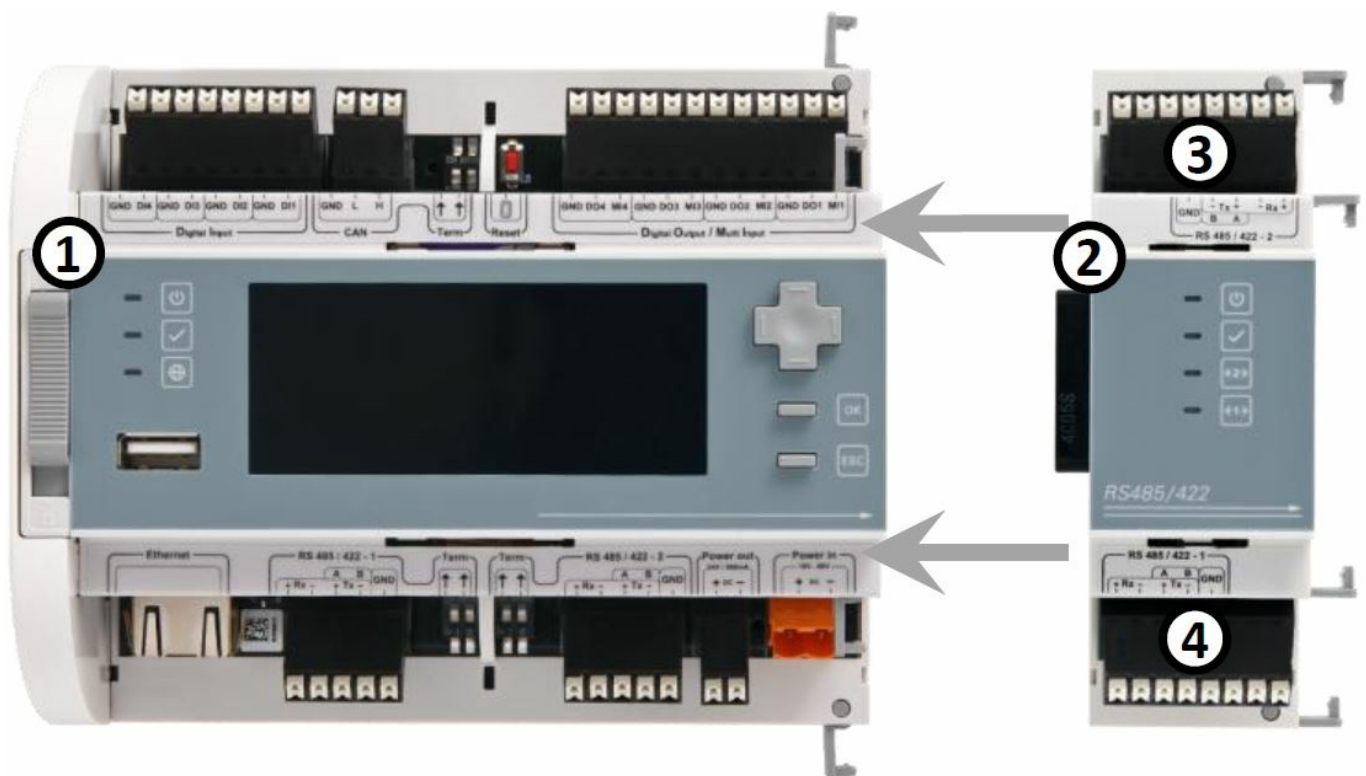
If you connect MX-Modules in the wrong order, errors might occur and correct function can no longer be ensured.

PREPARATION

- Remove the upper and lower cap from your blue'Log X basis device.
- Disconnect your blue'Log X basis device from the power supply.
- Remove the cap on the right side of the case from your blue'Log X basis device according to the manual.

INSTALLATION

- The blue'Log X basis device (1) is expanded by the MX-Module RS485/422 (2) with two additional interfaces (3) and (4).



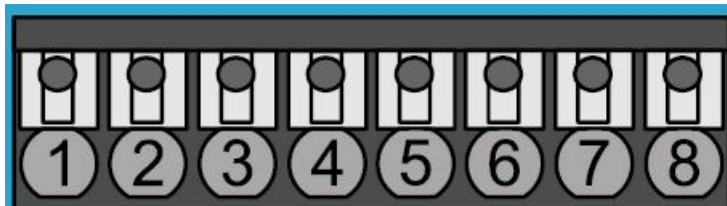
1. blue'Log X basis device
2. MX-Module RS485/422
3. RS485/422 interface – 2
4. RS485/422 interface – 1

- Connect the MX-Module RS485/422 (2)* to the blue'Log X basis device (1)* until no visible gap remains. Check for secure fit.
- Interlock both modules ((1)* and (2)*) by closing the previously opened case locks.
- Reattach the previously removed side cap to the right side of the expansion module and fasten it by closing the case locks.















PIN ASSIGNMENT

- The following pin assignment can be applied to both (top and bottom) RS485/422 interfaces **((3)*** and **(4)***).



Pin	RS485	RS422
1	—	RX+
2	—	RX-
3	RS485 A (+)	TX+
4	RS485 B (-)	TX-
5	GND	GND
6, 7, 8	—	—


STATUS-LEDS

Symbol	LED	Explanation	
		Green on:	Module supplied with power
		Off:	Error in power supply
		Green on:	Standard mode: Module recognized
		Off:	Error: Module not recognized
		Blinking orange	Data transfer interface 2 active
		Steady orange light	Error on interface 2
		Blinking orange	Data transfer interface 1 active
		Steady orange light	Error on interface 1

Further information: www.meteocontrol.com.

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Documents / Resources

	<p>meteo control RS485-422 Mx-Module Interfaces [pdf] User Guide RS485-422 Mx-Module Interfaces, RS485-422, Mx-Module Interfaces, Module Interfaces, Interfaces</p>
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References

- [meteocontrol North America - meteocontrol GmbH](#)