

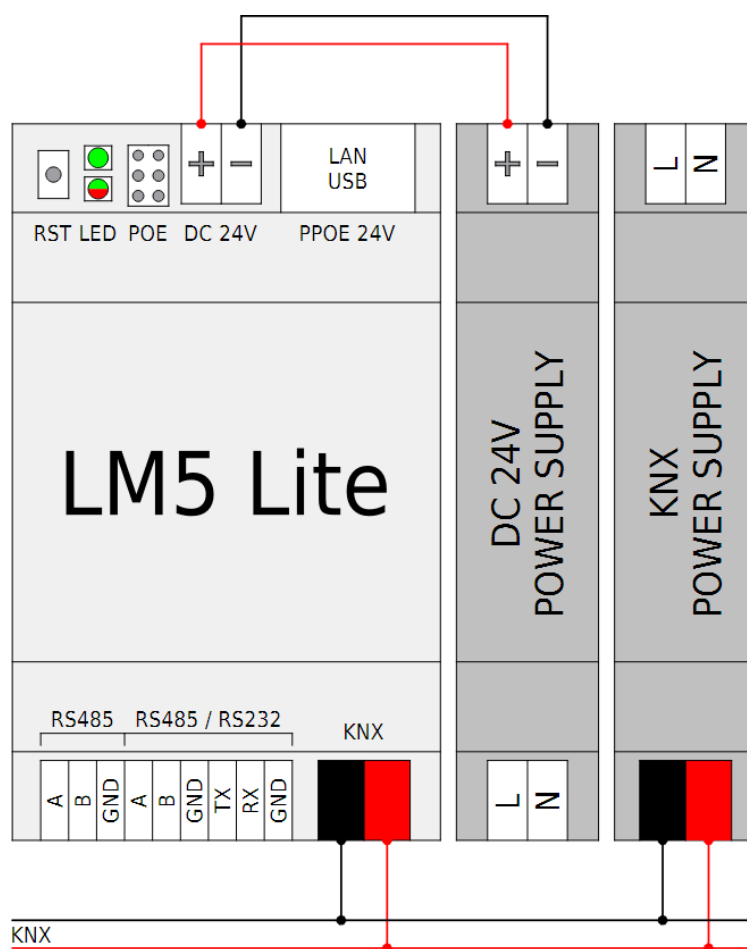
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Power / KNX

LM can be powered by either DC 24V or passive Power-over-Ethernet. Passive PoE is enabled by default. Make sure **not to connect LM** to an **active 48V PoE** switch or **change jumper position** accordingly before connecting.

Powering mode	Jumper position
Regular DC 24V power supply or KNX power supply auxiliary output connected to screw terminals	UP or DOWN 
Passive PoE (DC 24V) Active 48V PoE is not supported, LM will be damaged if Active 48V PoE is connected	DOWN 



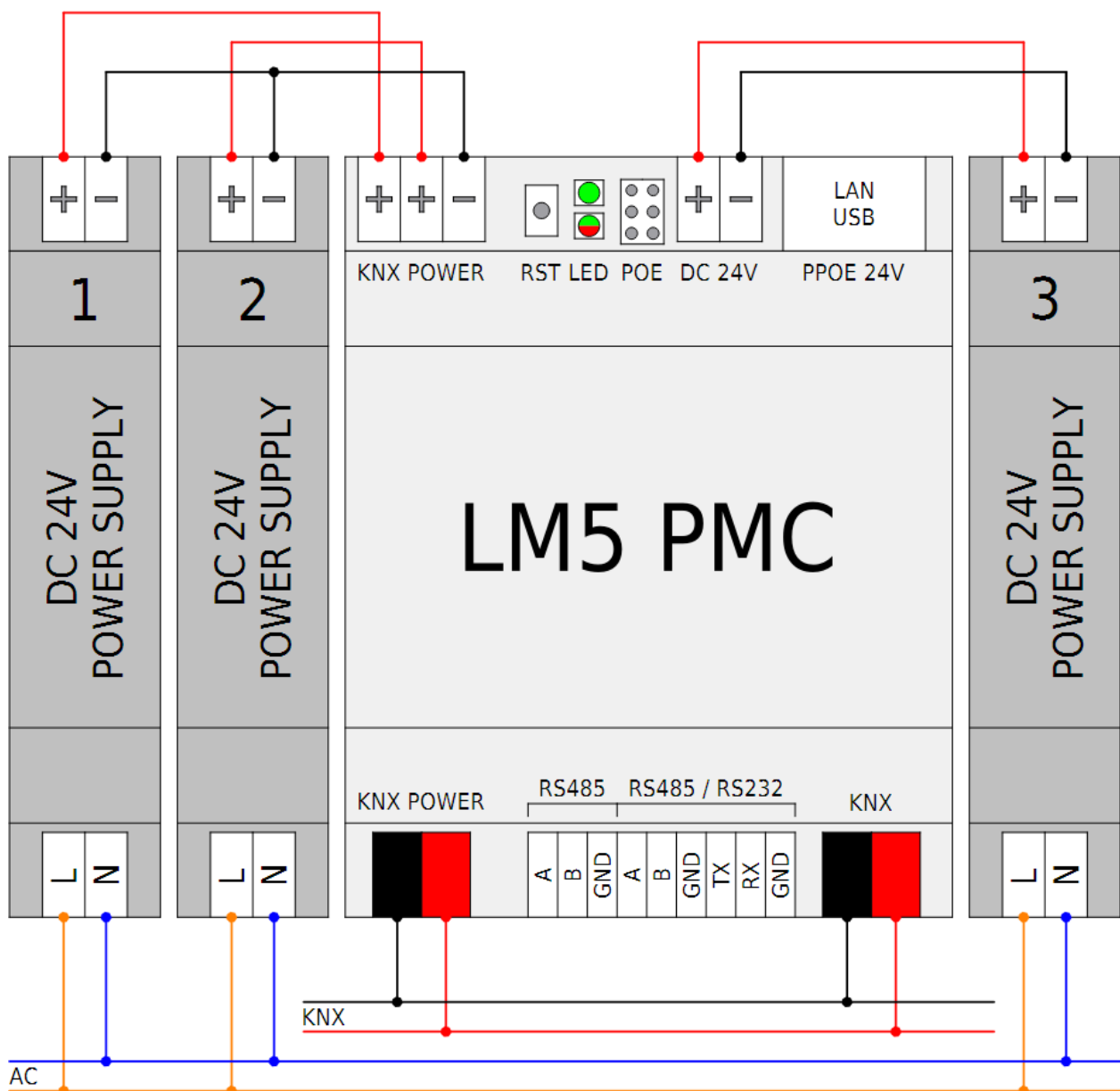
KNX bus power

Applicable model: LM5p2-PMC

The device has 3 power supply inputs:

1. Power supply for LM5 + KNX line
2. Power supply for LM5 + KNX line (backup)
3. Power supply for LM5 itself (main/backup)

All three power supplies should be on the same AC phase except if you are using galvanically isolated power supplies (for example, transformer-based). If there is no necessity to power the KNX line, you can use power supply Nr. 3 only.



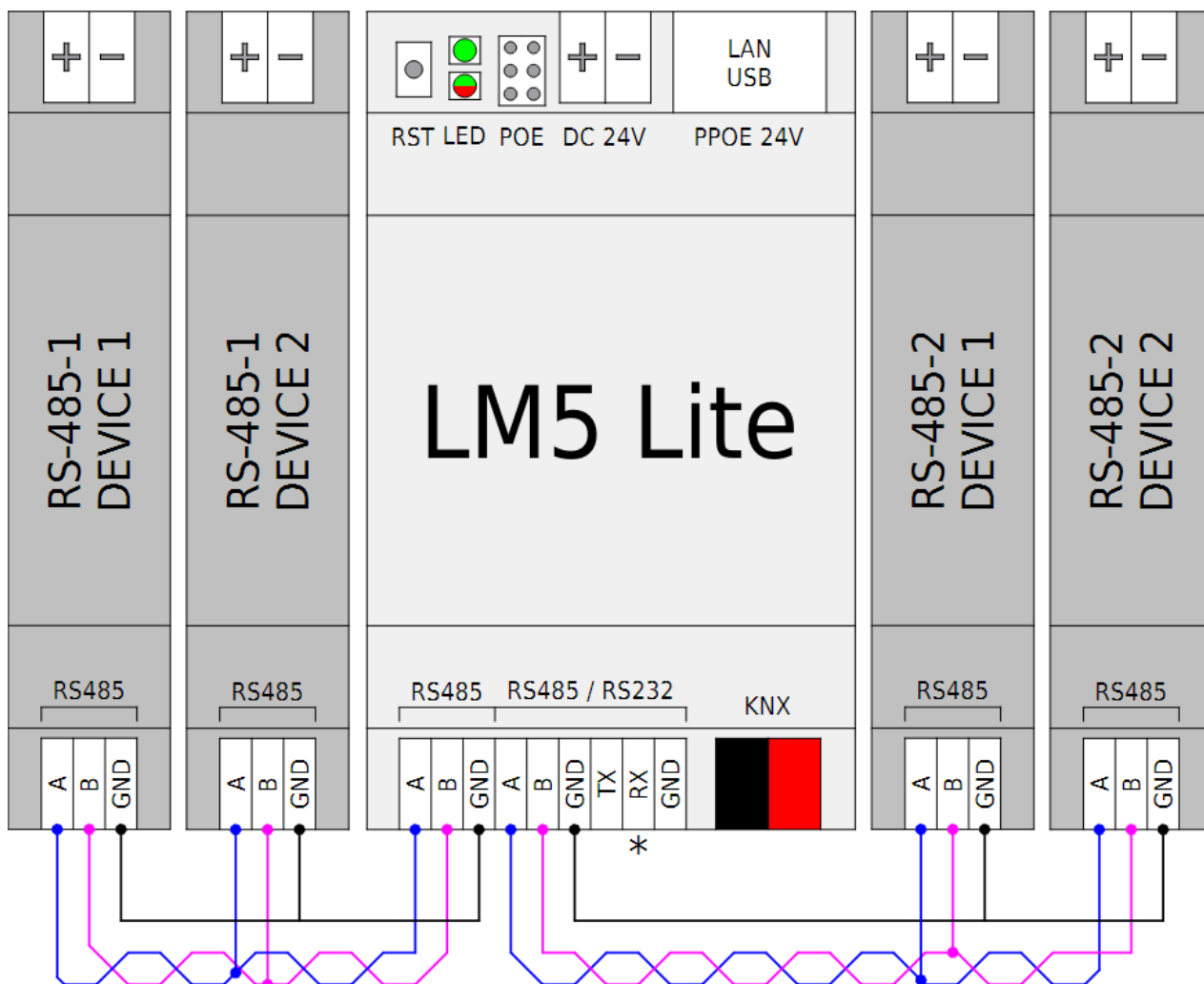
RS-485

Use twisted pair cable to connect A (D1/+) and B (D0/-) between all RS-485 devices. Daisy chain topology is preferable. Bus topology can be used while keeping stubs as short as possible.

All RS-485 devices on the same bus should have a common GND connection.

The second port operates either as RS-485 or RS-232 depending on the software configuration:

- Full-duplex: operates as RS-232 and respective TX/RX/GND screw terminals should be used
- Half-duplex: operates as RS-485 and respective A/B/GND screw terminals should be used

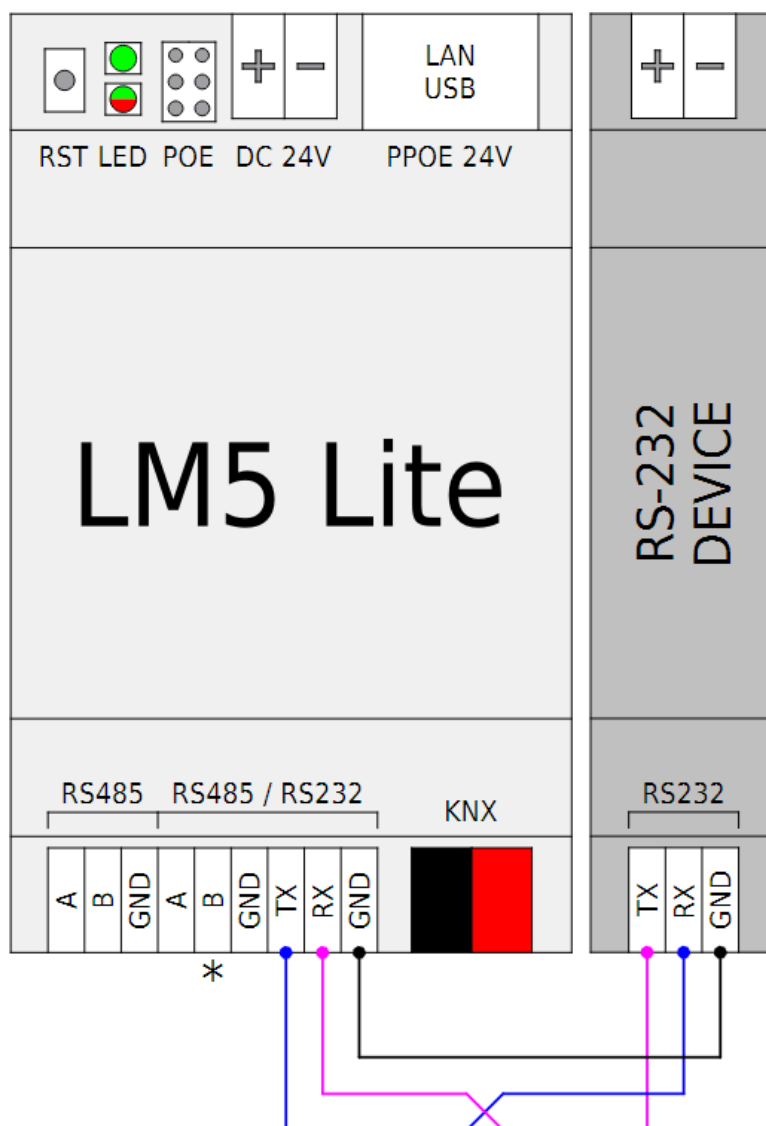


⚠ RS-232 cannot be used while RS-485-2 is active

RS-232

Connect RX to TX and TX to RX between two RS-232 devices.

The second serial port must be configured in full-duplex mode in order to operate in RS-232 mode.

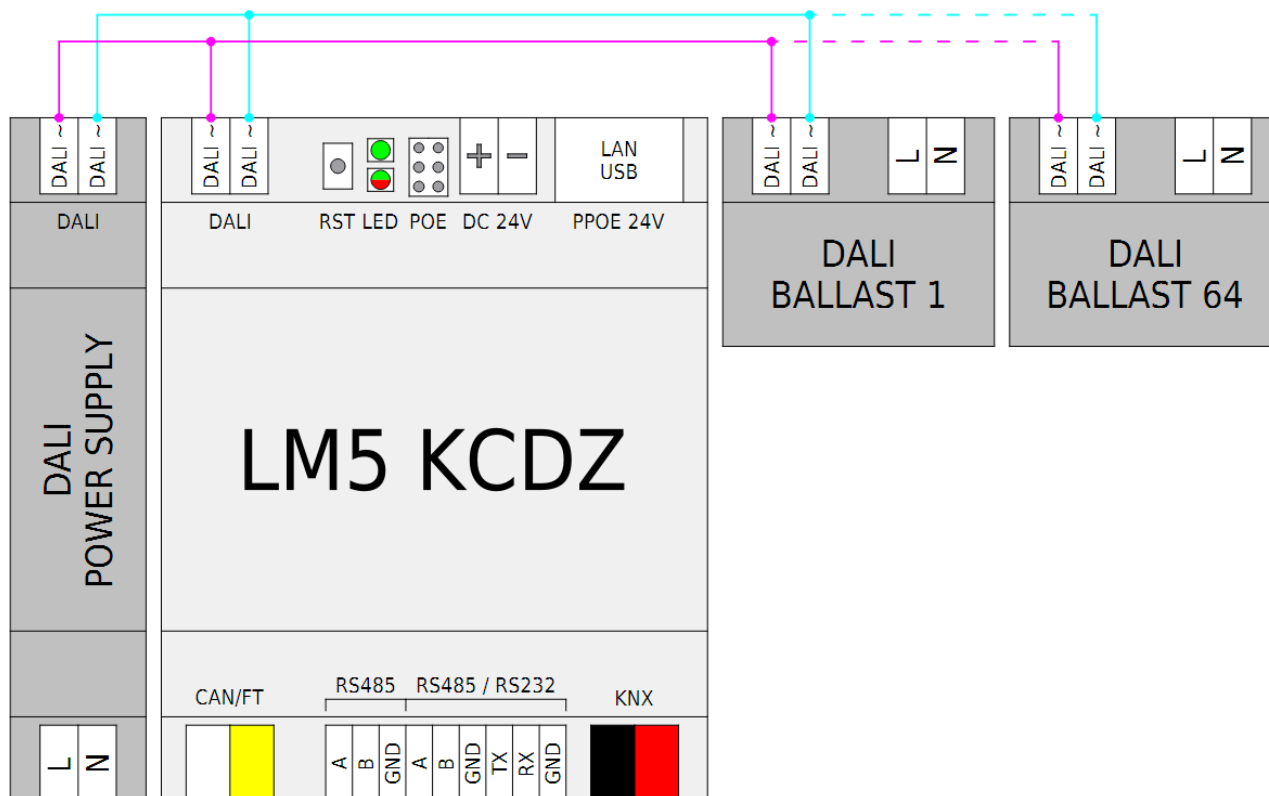


⚠ RS-485-2 cannot be used while RS232 is active

DALI

Applicable models: LM5p2-KCDZ, LM5p2-DW1, LM5p2-DR, LM5Cp2-DW1, LM5Cp2-DR

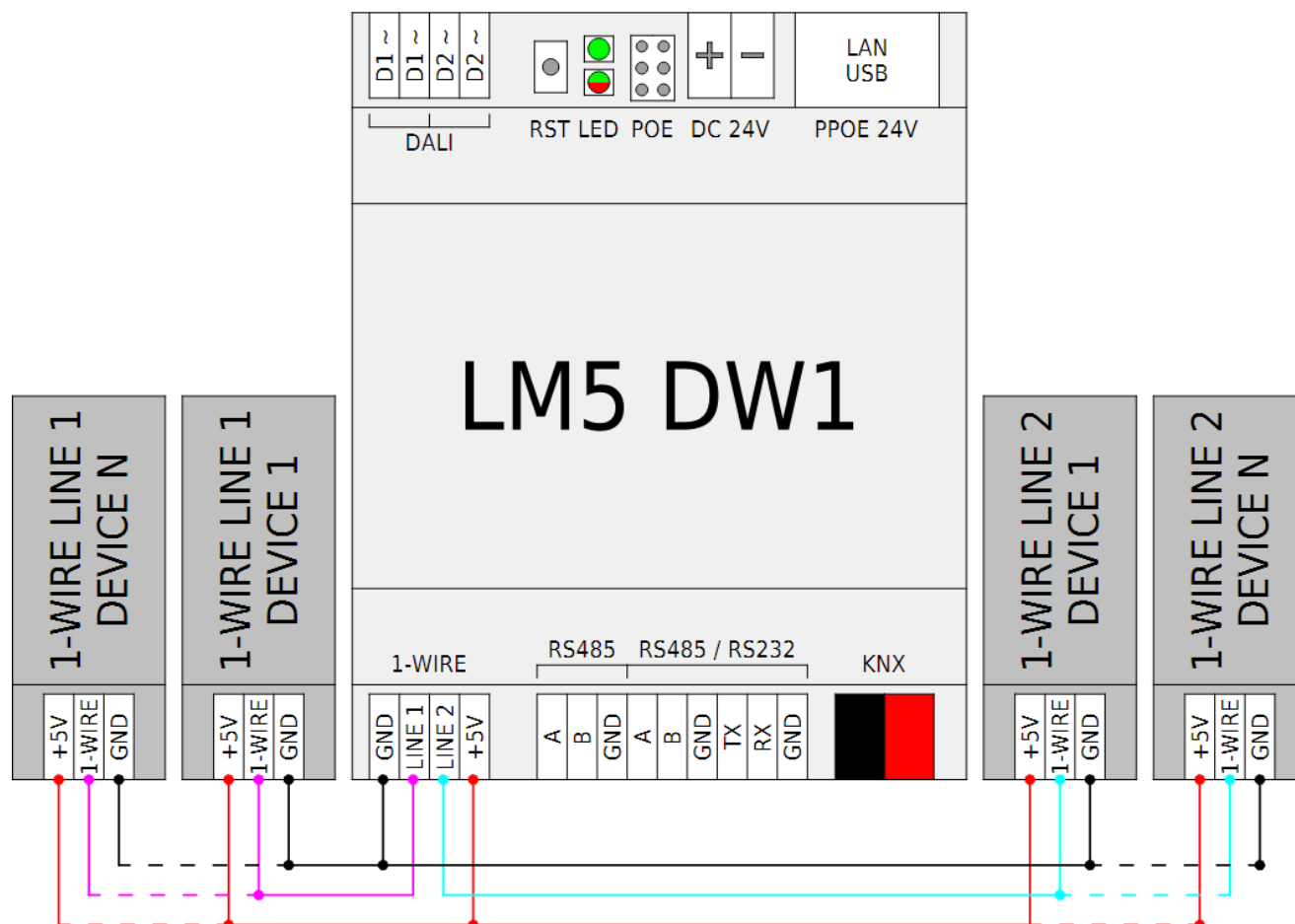
A separate DALI power supply is required for operation. All DALI devices are polarity-insensitive.



1-Wire

Applicable models: LM5p2-DW1, LM5Cp2-DW1, LM5p2-RI02, LM5Cp2-RI02

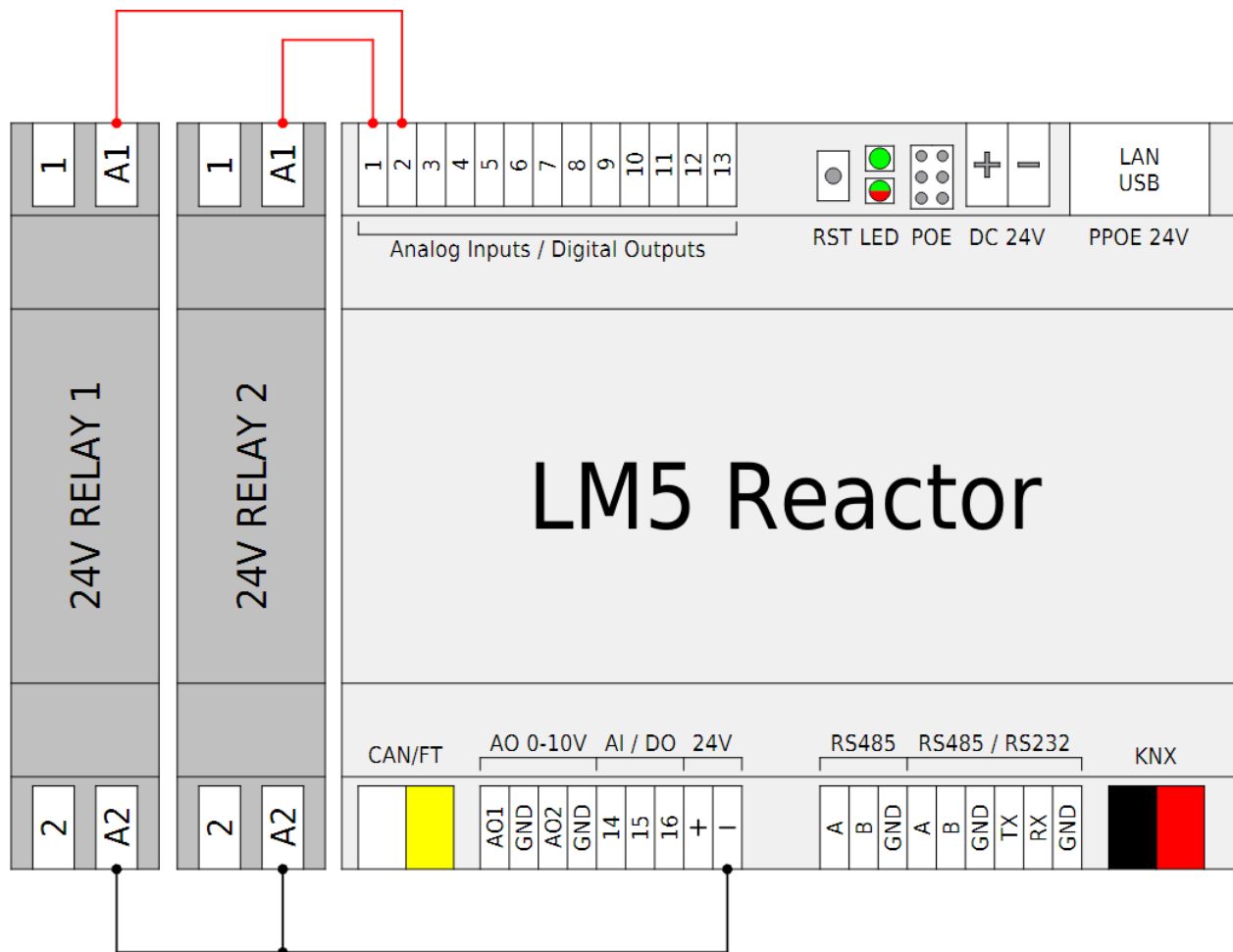
While 2-wire operation is possible, it is strongly recommended to provide 5V power to all 1-Wire devices on the bus.



Reactor digital output (e.g. relay/contactor)

Applicable models: all LM5 Reactor series devices (LM5p2-RIO*, LM5Cp2-RIO*)

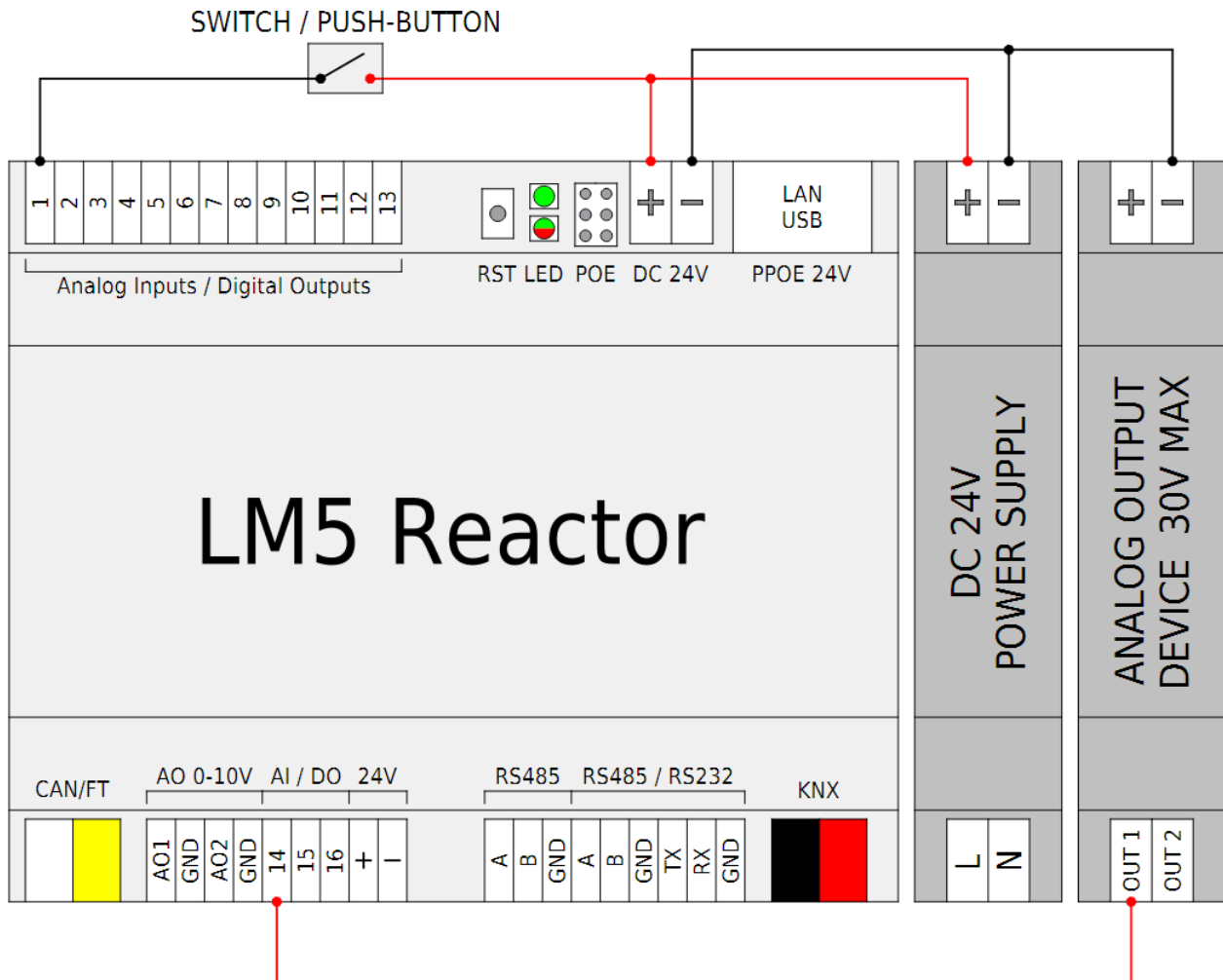
Connect the Reactor Digital output port to Relay A1 (positive pole) and Relay A2 (negative pole) to Reactor GND or power supply negative pole.



Reactor binary input (e.g. push-button) or analog input

Applicable models: all LM5 Reactor series devices (LM5p2-RIO*, LM5Cp2-RIO*)

Connect one pole of a push-button to +24V (power supply positive pole) and the second pole to Reactor Analog input port.



Reactor analog output (0-10 V)

Applicable models: all LM5 Reactor series devices (LM5p2-RIO*, LM5Cp2-RIO*)

