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CANx 8 x 10A Relays

ENG - Data sheet
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Application

8 channel CAN relay extension is designed to be used in building and industrial automation applications as an extension module to LogicMachine series devices based on CAN FT bus. The configuration and monitoring of the device is done through separate LogicMachine CANx application. The device is designed for DIN-rail mounting and requires 4 DIN-units.

Types of product	
CAN-R8	CANx 8 x 10A Relays
Technical data	
Power supply	12-32V DC
Power consumption (at 24V)	10 mA (relays off), 78 mA (relays on)
DC overvoltage protection:	50 V
Wrong wiring polarity protection	Yes
Interfaces and operating elements	
Relays	8
Rated voltage/current	250V AC (10A), 30V DC (5 A)
USB	1 microUSB for upgrade firmware flashing
CAN FT	1
LED	1 – CPU load, 1 - Activity, 8 - Relay status
Programming/reset button	1
Clamps and enclosure	
CAN FT Terminal	0.8mm2
Relays	5 mm2
Power supply	5 mm2
Color	Gray
Dimensions	70(W)x91(H)x56(L) mm
Protection	IP20 according to EN 60529
Usage temperature	-5C ... +55C
Storage temperature	-20C ... +70C
Net weight:	104 g
Gross weight	122 g
Standards and norms compliance	
CE conformity	EMBS-CE-190223/16 Electromagnetic compatibility
EMC	EN61000-6-1, EN61000-6-3

Caution

Security advice

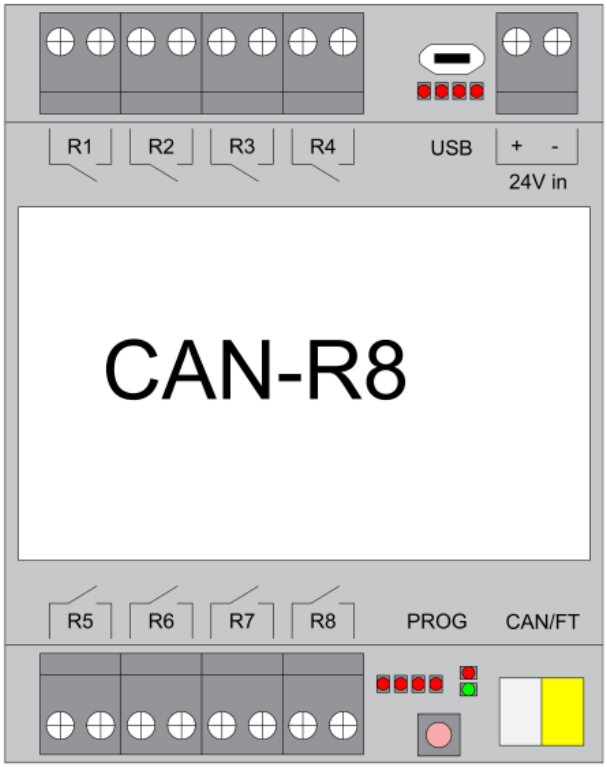
The installation and assembly of electrical equipment may only be performed by skilled electrician. The devices must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with application that can result danger of people, animals or real value

Mounting advice

The devices are supplied in operational status. The cables connections included can be clamped to the housing if required.

Electrical connection

The devices are constructed for the operation of protective low voltage (SELV). Grounding of device not needed. When switching the power supply on or off, power surges must be avoided.



Default settings

Line ID: 0

Node ID: 255

Max. number of group addresses per object : 16

Reset to defaults

Press programming button for 5 seconds, the RED LED blinks 2 times, then release button - GREEN lights up shortly.

Programming physical address

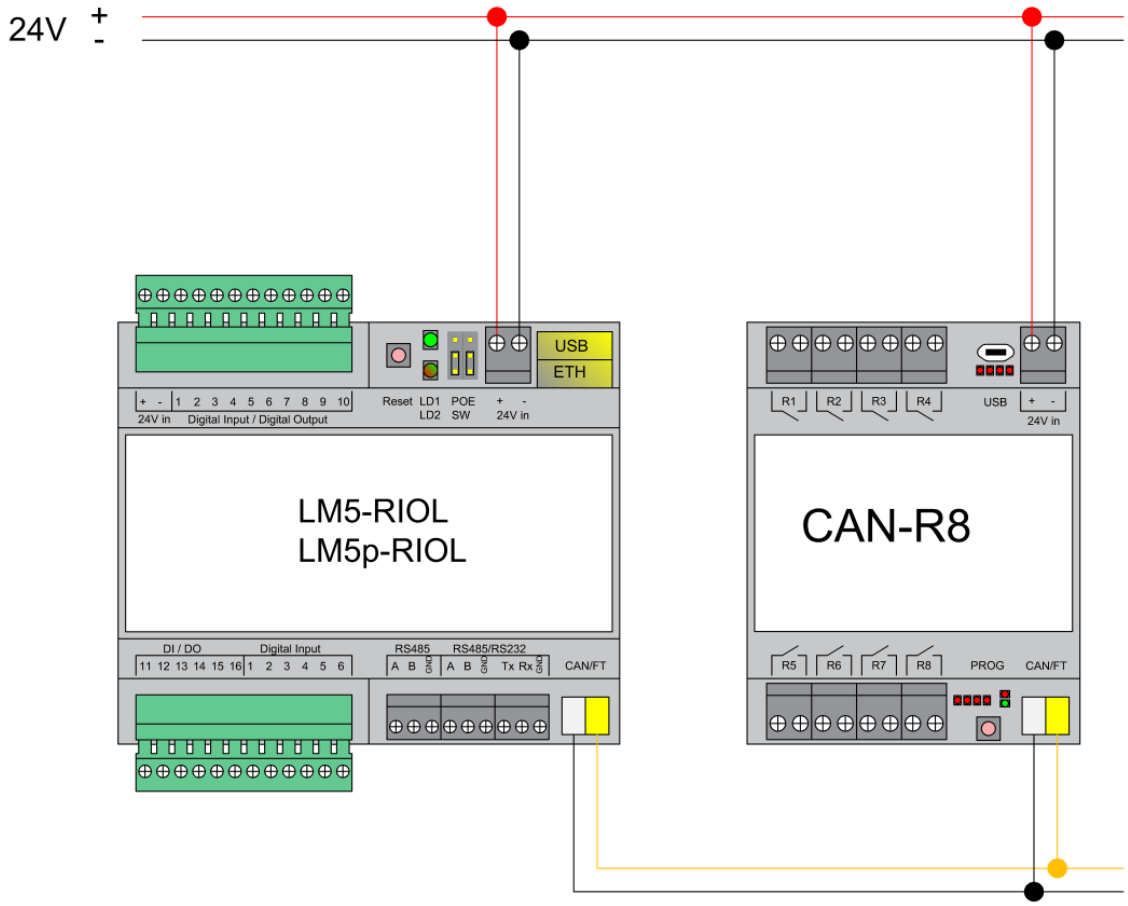
Press *Tools* → *Write device address* from CANx app. Choose address and press *Write*. Then press programming button shortly on the device, GREEN LED lights up shortly. The LED is switched off automatically in 1 second which means address is written.

Manual relay control

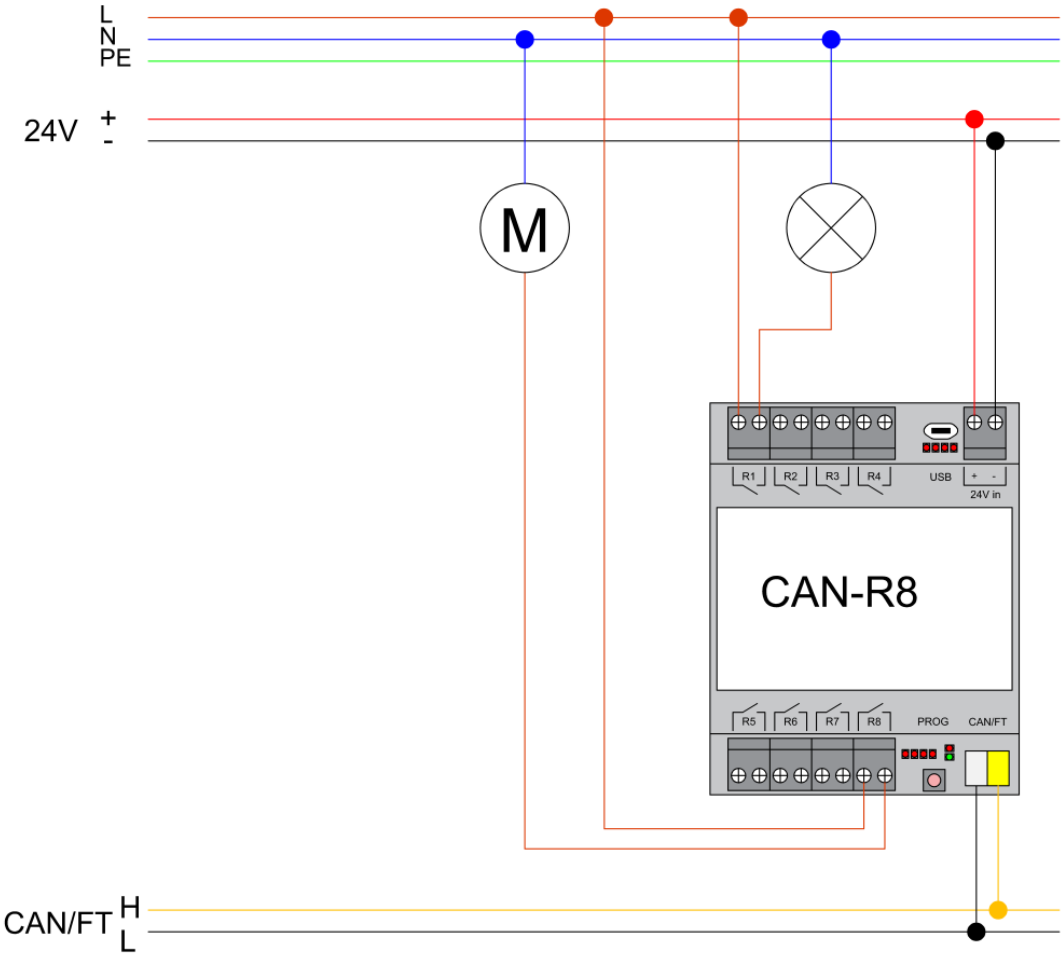
When opening the front cover, you will find buttons for manual relay control.

Connection diagrams

CAN FT connection

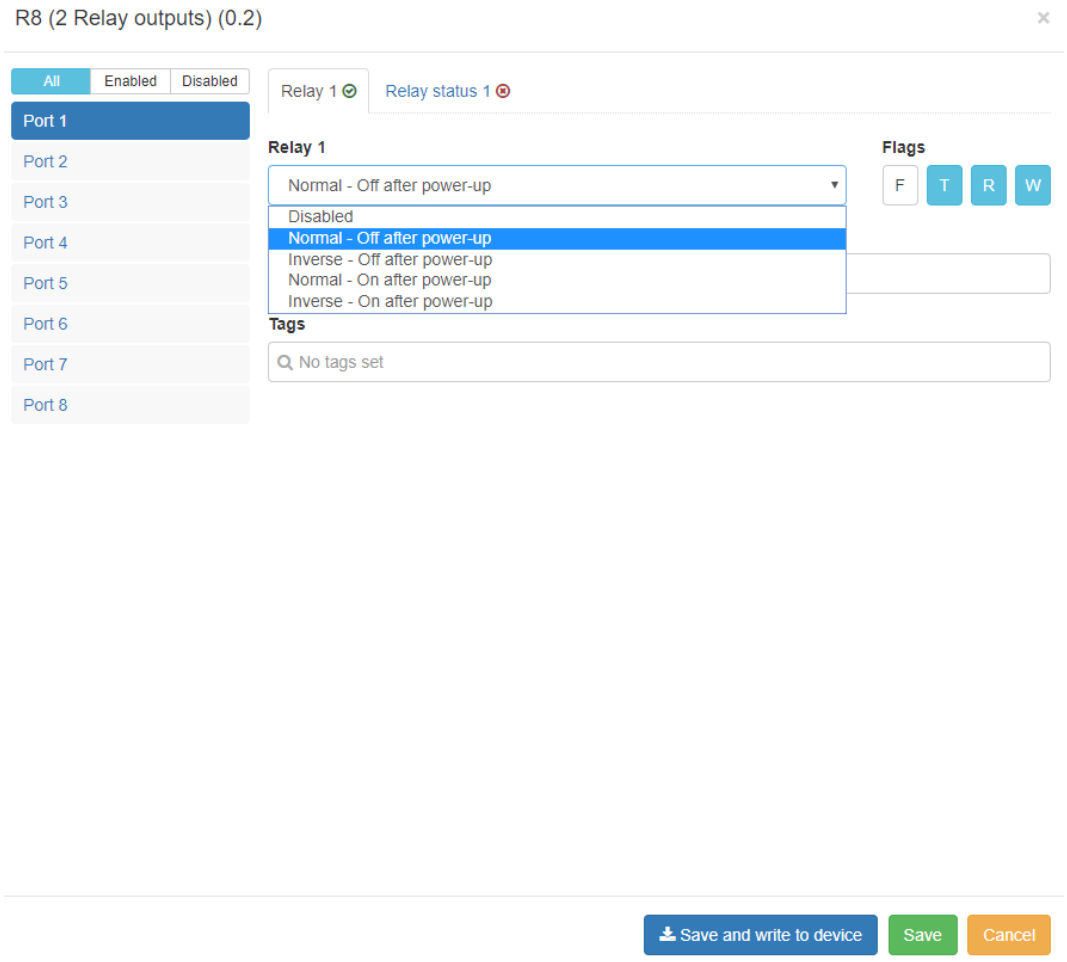


Lamp / motor / etc. connection



CANx software settings

Relay



Default flags: read (R), write (W), transmit (T)

Relay mode:

Normal – Off after power-up

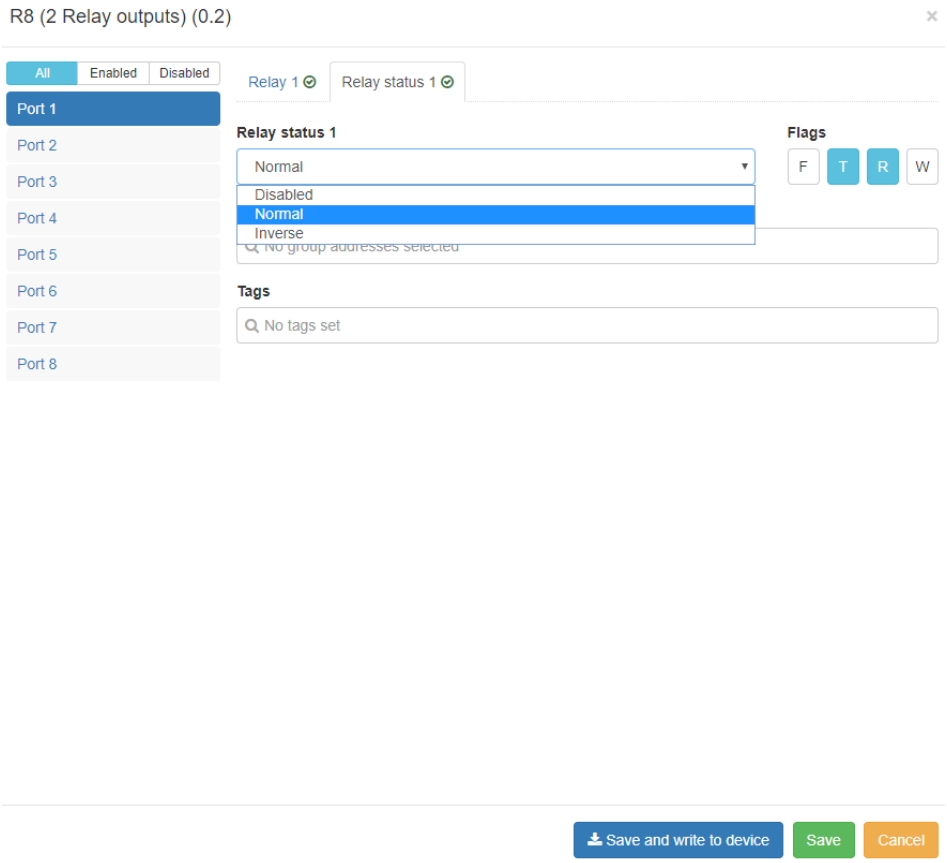
Inverse – Off after power-up

Normal – On after power-up

Inverse – On after power-up

Group addresses – you can assign group addresses from the predefined list or add manually by clicking on ADD button. You can assign max 16 group addresses to one object / output.

Relay status



Default flags: read (R), transmit (T)

Output status: Disabled, Normal, Inverse

Group addresses – you can assign group addresses from the predefined list or add manually by clicking on ADD button. You can assign max 16 group addresses to one object / relay status