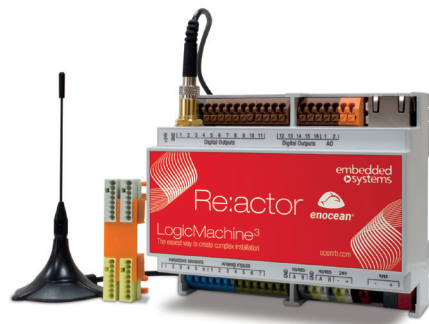
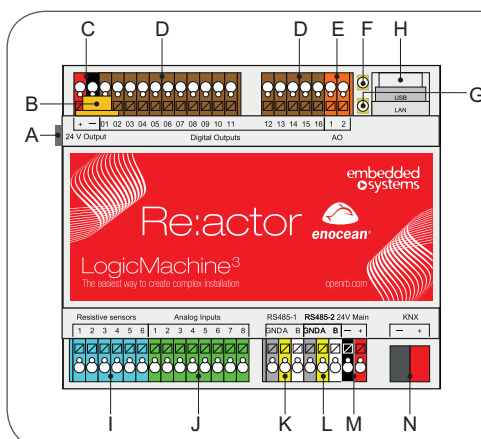


Operating instructions

Connections and operating elements



LogicMachine³ Re:actor
Product code: **LM3-REACTOR**



- A Reset push button
- B EnOcean 868MHz antenna connector
- C 24 V DC supply for digital outputs
- D Digital outputs
- E Analog outputs
- F LED indicator 1
- G LED indicator 2
- H Ethernet RJ45 / USB 2.0
- I Resistive sensors inputs
- J Analog inputs
- K RS 485 - 1 terminal
- L RS 485 - 2 terminal
- M 24 V DC main supply
- N KNX bus terminal

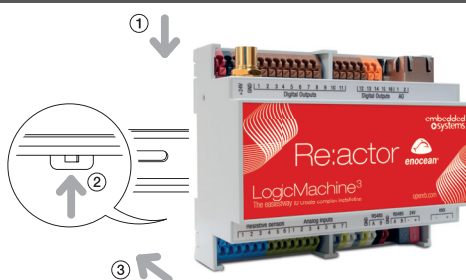
About

Re:actor is cross-standard all-in-one controller uniting sensor, actuator, visualization, scenario and logic platform in one device.

Applications:

- Logical functions
- WEB SCADA visualization for Smartphone, Tablet and PC
- Cross-standard gateway between KNX, Modbus, BACnet, EnOcean, DMX, GSM networks
- EnOcean bi-directional communication
- Scheduling
- Data logger with trends and export possibility
- Camera streaming
- Remote bus control and programming
- Email notifications
- Notifications and bus control via SMS (external GSM modem required)

Mounting



1. Place the device into the DIN rail
2. Press down the DIN rail lock
3. Wire the device of the desired application accordingly and connect the power supply

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.

Electrical connection

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

Technical data

Supply voltage	12 - 24V DC
Power consumption (idle)	2 W
LED indicator 1	Green LED (CPU load)
LED indicator 2	Green/Red LED (Reset button)
KNX bus terminal	Bus connection terminal 2x 0,8mm ²
Power supply terminal	Clamp, 1,5 mm ²
Serial terminal	Clamp, 1,5 mm ²
I/O terminal	Clamp, 1,5 mm ²
Antenna connector	FME male
Antenna included	868MHz EnOcean antenna with magnet, 2.5m cable length

Interface	1x KNX TP1 (TPUART2)
	1x EnOcean 868MHz
	1x 10BaseT/100BaseTX
	2x RS-485
	1x USB2.0
	1x Reset push button
	16x Digital outputs with overcurrent protection (380mA max continuous current on output)
	6x Resistive inputs (PT100, PT1000, 0 Ω...20M Ω)
	7x Analog/Binary inputs (0-30V with configurable threshold voltage, 12bit resolution)
	2x Analog outputs (0-10V, 12bit resolution, 20mA max current)

Operation	-5°C to 45°C
Max. humidity	93%, no condensation
Type of protection	IP 20
Dimension (WxHxD)	104 x 90 x 51 mm

Default network configuration

Login name	admin
Password	admin
IP address	192.168.0.10
Network mask	255.255.255.0

The settings can be changed in
System config → Network → Interfaces, by clicking on LAN

Status LEDs, RESET button

Procedure	LED 1 status	LED 2 status
Operating device		Green steady ON
Rebooting device		Steady red
Temporary settings of default IP		Blinking Red
Factory settings of default IP, passwords, project deleted		Flashing Red
	Green blinking proportionally to CPU load	

Recycling



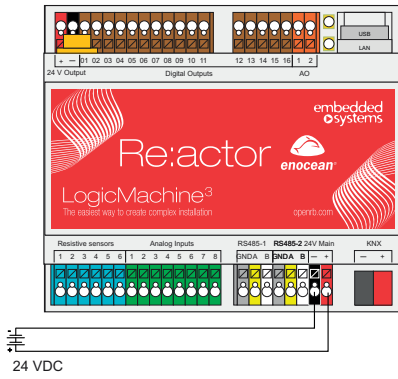
This products falls within the scope of Waste Electrical & Electronic Equipment Directive 2002/96 EC (WEEE). This product should not be disposed of with household waste. Please recycle where facilities exist.

Support

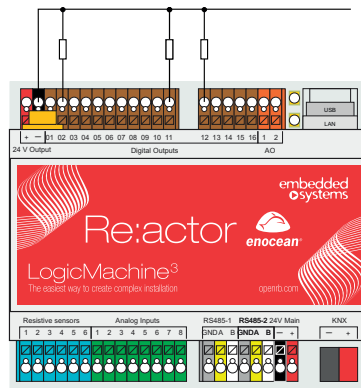
If you have any technical questions, please contact us by writing to support@openrb.com or look in Examples/FAQ sections of www.openrb.com

Connection diagrams

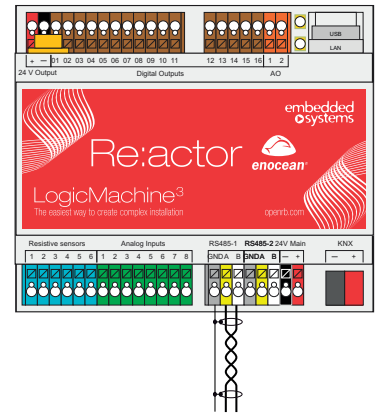
Powering the device



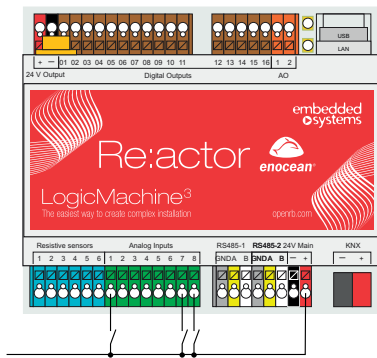
Digital output (e.g. external relay)



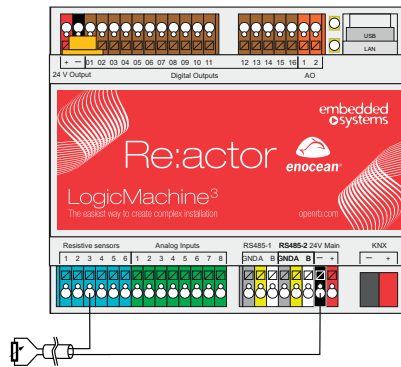
RS-485



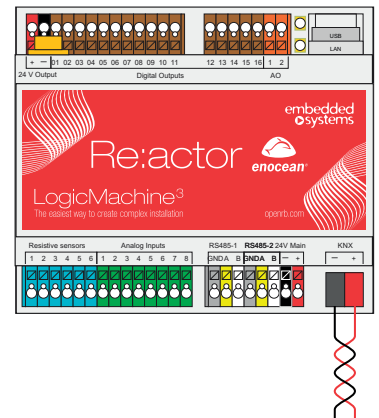
Analog inputs (e.g. reed contact)



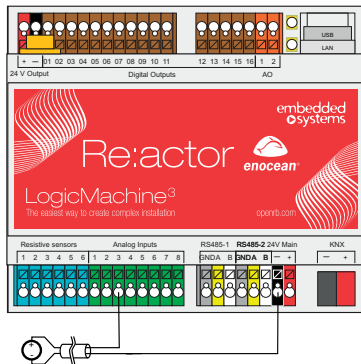
Resistive sensor inputs



KNX/EIB TP1 connection



Analog input (0-10V)



Analog output

