**ZigBee RS232 gateway**

**ENG - Data sheet**
Issue date 09.11.2022

**Application**

ZigBee RS232 gateway is designed to be used in building and industrial automation applications as an extension module to LogicMachine series devices. The device allows connecting ZigBee wireless devices into ecosystem of LogicMachine. The configuration and monitoring of the device is done through separate LogicMachine ZigBee application. The device is designed for DIN-rail mounting and requires 2 DIN-units.

| Types of product | |
| --- | --- |
| ZIGRS232 | ZigBee RS232 gateway |
| ZIGUSB | ZigBee USB gateway (limited edition) |
| **Technical data** | |
| Power supply | 24V DC |
| Power consumption (at 24V) | 0.15 W |
| DC overvoltage protection: | 32 V |
| Wrong wiring polarity protection | Yes |
| **Interfaces and operating elements** | |
| RS232 | 1 (ZIGRS232) |
| USB | 1 (ZIGUSB) |
| LED | 1 – Power indication, 1 – Network state |
| Antenna | 2.5M SMA Plug 2.4GHz Antenna for RG174 cable (included) |
| **ZigBee specification** | |
| Power on transmitter | +5 dBm |
| Frequency | 2.4 GHz |
| Channels | 11-26 |
| Max count of ZigBee devices connected | 50 |
| **Clamps and enclosure** | |
| RS232 | 3.5 mm2 |
| Power supply | 3.5 mm2 |
| Color | Gray |
| Dimensions | 36(W)x104(H)x61(L) mm |
| Protection | IP20 according to EN 60529 |
| Usage temperature | -5C … +55C |
| Storage temperature | -20C … +70C |
| Net weight: | 100 g |
| Gross weight | 164 g |
| **Standards and norms compliance** | |
| CE conformity | EMBS-CE-22119/01  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
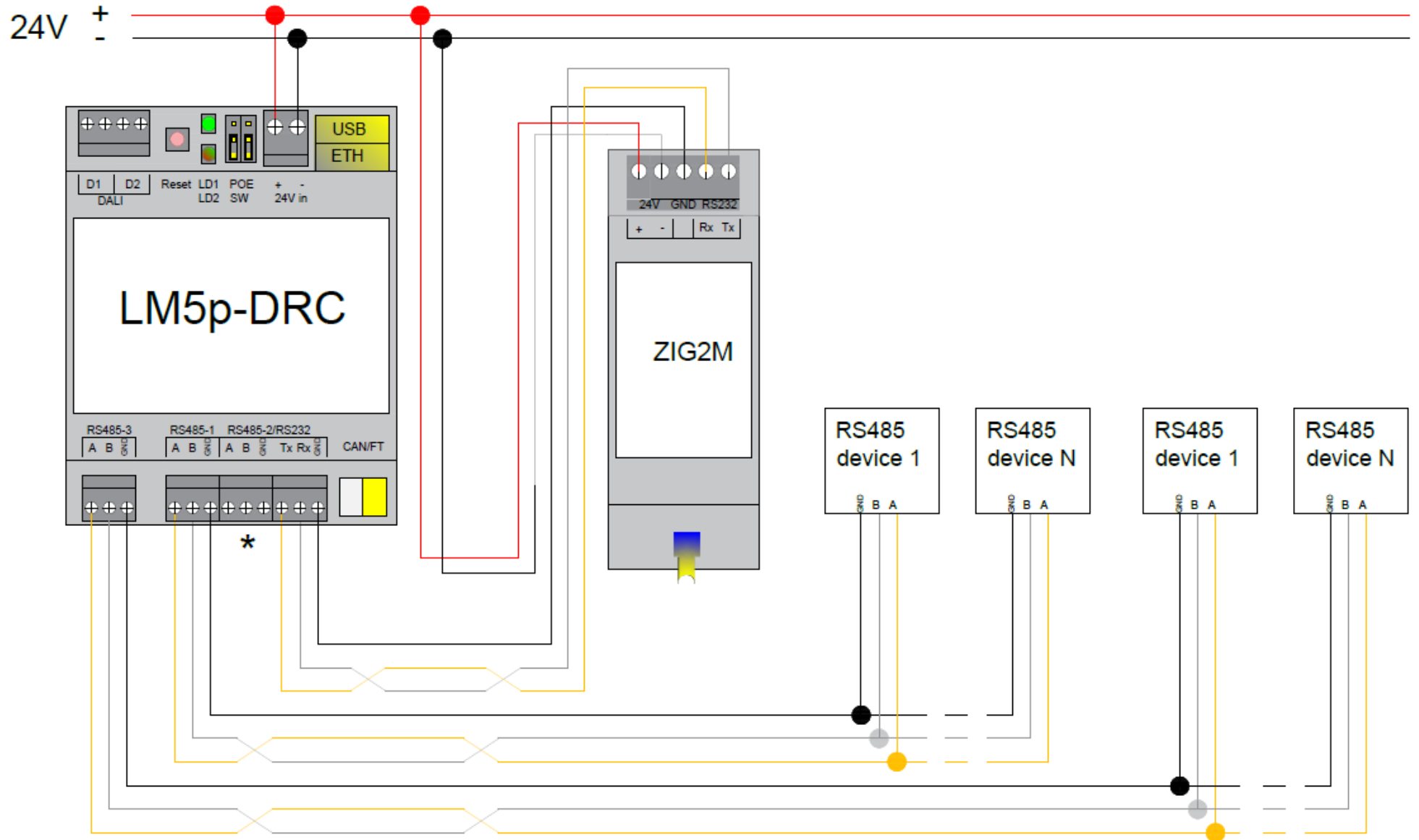
## Mounting advice

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.

| 24V | GND | RS232 |
|-----|-----|-------|
| + | - | Rx Tx |

ZIG2M

**Connection diagram**

**Short user guide**

1. Connect 24V to device's power clamps.
2. Interconnect RS232 to LM5 RS232 port (RX to TX, TX to RX).
3. In LM5 open ZigBee app. If it's not there install the app from the app store.
4. Open *Menu* (≡) *> Configuration* and set Connection mode to RS-232.
5. ZigBee RS232 is recognized if you see *Green Network state: closed* button in the top right corner.