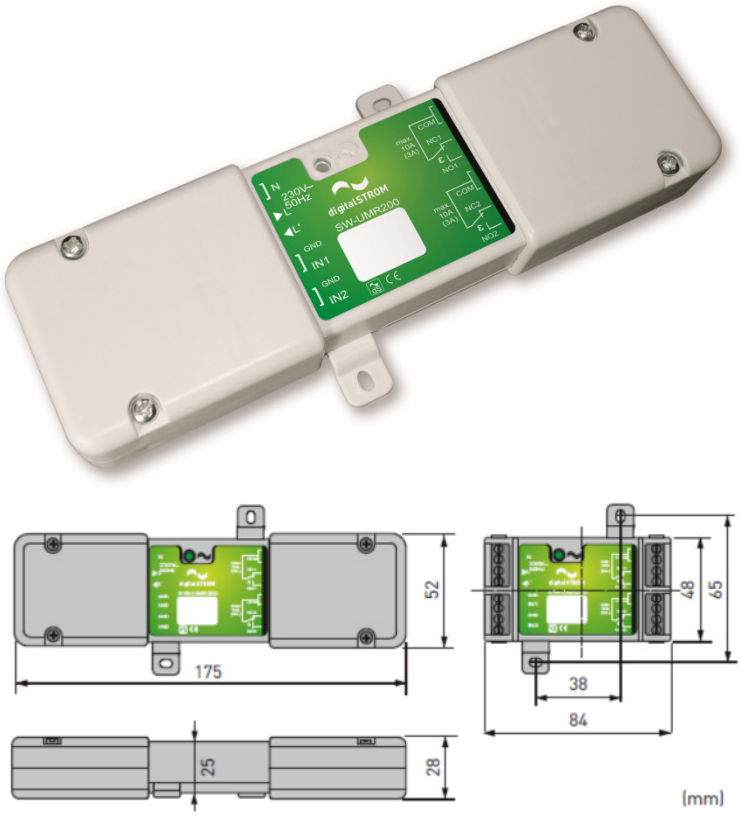
Universal Relay Module: SW-UMR200



- **False ceiling and build-in module for device manufacturers**
- **Potential-free interface to digitalSTROM with 2 inputs and 2 outputs**
- **Communication via the existing power cable**
- **Integrated power measurement for devices**
- **No wireless connection required**

Functions

Makes your product digitalSTROM ready

The SW-UMR200 module can either be integrated into any device or, since it is equipped with an individual housing, be linked to any device in order to switch it. The module is powered and controlled via electric feeder.

Provides sensor values into the digitalSTROM system

Switching statuses of external devices or switches within the digitalSTROM system can be transmitted via the module's inputs. DigitalSTROM signals are recognized and as a result output relays are activated. Input signals can be further processed via the system or your own dSS Server apps.

Integrated basic logics

The module provides integrated logic to link various applications to the digitalSTROM system. For instance garage doors, conventional doorbells and door openers, servo drives with limit switches etc. can be connected and controlled.

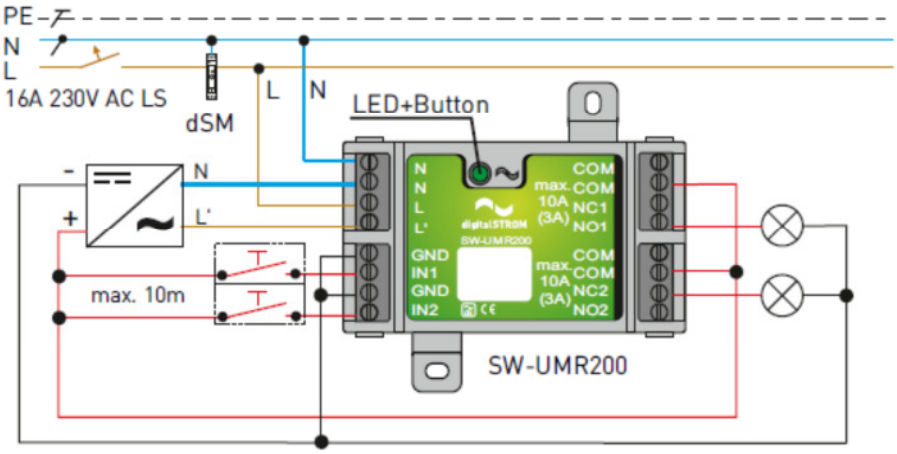
Safely isolated

The module provides a safe isolation (Safe Extra Low Voltage) between the mains and the device's input and output side of the module and fully meets the requirements of overvoltage category III (firm installation).

Features

- Universal module for integration of DC and low voltage devices into the digitalSTROM system
- 2 isolated wide-range inputs (7.5V – 230V) (D/C and A/C voltage)
- 2 isolated relay outputs with changeover contacts (up to 230V 6A)
- Integrated power measurement
- Safe isolation with high isolation voltage
- Contacting via screw terminals
- Integrated strain-relief
- Mounting eyes
- Status LED and push-button for device configuration
- Additional services via digitalSTROM infrastructure (with cloud integration) for customer retention
- Passing of sensor values from the connected device to the digitalSTROM system
- Configurable for all digitalSTROM colour groups
- Fulfills all relevant standards

Application example



Technical details

• Housing WITHOUT end caps (LxWxD)	84 mm x 48 mm x 25 mm
• Housing WITH end caps (LxWxD)	175 mm x 52 mm x 28 mm
• Nominal input voltage/frequency	230 V±10%, (50±2) Hz
• Power consumption	0.5 W
• Voltage sensitivity of inputs	7.5V-230V AC/DC
• Current carrying capacity of output relays	6A (3A)
• Ambient temperature (operation)	0 °C ... +60 °C
• Ambient humidity (operation)	< 80 % RH, non-condensing
• Isolating voltage	4 kV (SELV), ÜK III
• Air/Creepage distances	5,5 mm (SELV)
• Data transmission via 230 V AC mains	digitalSTROM-Protocol V1.0

CE

2006/95/EG / Low Voltage Directive
2004/108/EG / EMC Directive

dS READY

Device Characteristics according to digitalSTROM Product Standard

DIN EN 60669-1 / DIN EN 60669-2-1 / DIN EN 50428

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