

BARIONET R6



BARIX BARIONET R6

**DIN-rail mountable relay module
for commercial control, power
switching and home automation
applications**

Barix AG
Seefeldstrasse 303
CH-8008 Zürich
Switzerland

T +41 43 433 22 11
F +41 1 274 28 49

www.barix.com
info@barix.com



6 relays (250 VAC 16 Amps, NO & NC)

RS-485 serial interface

Protocol: Modbus/RTU

Two Barionet module connectors for
additional relay extensions, I/O devices,
power modules, temperature sensors etc.

DIN-rail mountable



THINK FURTHER

BARIONET R6

Technical Specifications

I/O Interfaces:

6 relays (240VAC 16A) on screw block with common, NO (normally open) and NC (normally closed) contacts for wires

AWG26 - AWG14 / 0.15 - 2.5mm²

Power/RS-485 on detachable screw block for wires AWG28 - AWG16 / 0.08 - 1.3 mm²

2 module connectors (3"/75mm cable included)

Serial Interfaces:

1 RS-485 (2-wire), 9'600/19'200 Baud , 8 bit, Even/No parity software configurable

Protocol:

Modbus/RTU

Misc:

1 LED power status

1 LED RS-485 activity

6 LED relay status

Default settings jumper

Power input:

9 - 30VDC und 12 - 24 VAC

consumption 3.5 Watt max. (all relays active)

Case:

high quality plastic, 220 grams,

4.13" x 3.34" x 2.83"/105mm x 85mm x 32mm

DIN-rail mountable

Environmental conditions:

Temperature: 32 ~ 104° F / 0 ~ 40° C

0 ~ 70% relative humidity non-condensing

Certifications:

FCC (A and B),

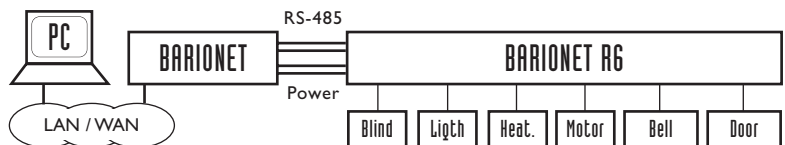
CE (A and B)

Barix Barionet™ R6 is a DIN-rail mountable relay module for commercial control, power switching and home automation applications.

Using the industry standard Modbus protocol over 2-wire RS-485 the device can be controlled from any Modbus capable master.

Six independent relays allow the use of the Barix Barionet R6 in a wide range of switching applications:

- Switching power (lights, blinds, heating, power relays, motors)
- Activate bells, door strikes, indicators and alarms



Each relay has three connections (common, normally closed and normally open) available at screw blocks supporting wires from AWG26 / 0.15mm² up to AWG14 / 2.5mm².

To connect to other Barix Barionet devices the Barix barionet R6 features two Barionet module connectors on both sides of the device carrying power and RS-485 signals (one bus cable included).

Barix Barionet R6 supports Modbus/RTU protocol at speeds of 9'600 and 19'200 Bauds, with and without parity.

Up to 31 Barix Barionet extension modules can be directly connected to a Modbus Master such as the Barix Barionet and can be increased to up to 250 devices using standard RS-485 repeaters.

Using the Barix Barionet, the Barix Barionet R6 can be controlled by a local Basic application (BCL) as well as remotely using TCP, UDP, Modbus/TCP and SNMP.

Barix Barionet R6 is an inexpensive solution to add high power switching capabilities to Modbus systems.

A mounting bracket is available as an accessory.

For further information, distribution partners, detailed technical specifications and information about other versions and products please visit www.barix.com