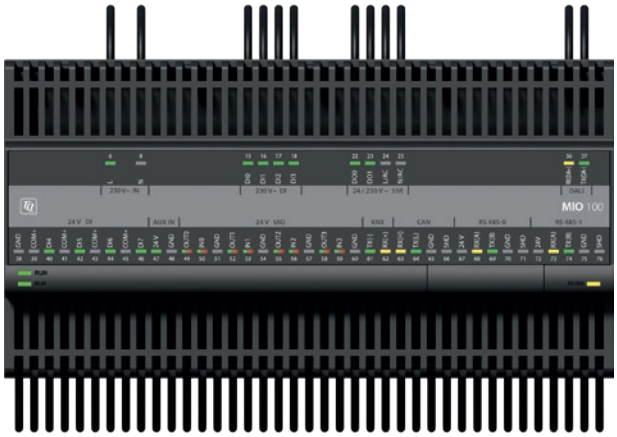
MIO 100

The powerful controller



A powerful controller for the intelligent distributed control.

SCOPE OF MIO 100:

- The MIO 100 module offers a broad connectivity designed to the requirements of advanced building automation.
- EnOcean, SMI and M-Bus gateways can be connected through CAN and two RS485 interfaces.

EASY INSTALLATION THANKS TO CLIP-ON ELECTRONIC COMPONENTS:

- All bus systems are fully integrated into the B-Studio engineering software, no matter whether built in or connected through gateway.
- The module is divided into two sections. The bottom section is the terminal module. It accommodates all plug-and-socket connectors required for connecting wires and field buses. The top section accommodates the electronic components. This way of splitting the module offers a variety of benefits. The electronic section can be plugged onto the terminal module in a separate step. The wiring does not need to be disconnected, not even for service measures or replacement of the device. Installation into the equipment cabinet has become easier due to the added space available. The electronic modules can be tested in the office while the terminal modules are already being installed.
- All terminal modules are interconnected through the CAB Bus. Thanks to a jumper, this happens automatically as they are clipped onto the DIN rail. The modules are addressed fully automatically, with no need of configuration.

TECHNICAL SPECIFICATION MIO 100

Digital Inputs	4x 230 V AC 4x 24 V DC
Digital Outputs	2x 24 V AC oder 2x 230 V AC (max. 1 A, configurable)
Universal Inputs / Outputs	4x Universal I/O each channel is freely configurable: AI (4–20 mA, 0–10 V, PT1000...) / DI / DO (max. 400 mA when supplied via AUX IN)
KNX	Max. 80 mA (ca. 10 loads, extensible)
DALI	Max. 64 mA equaling 8 actuators (4 mA each) and 4 sensors (6 mA each, extensible)
Other Bus Systems	EnOcean, SMI, M-Bus
RS485	2x RS485, halfduplex, max. 19200 Bit/s, galvanically isolated, 120 Ω termination via microswitch, 24 V-supply for external gateways (max. 100 mA)
CAN	1x CAN2.0B, max. 500 kBit/s, galvanically isolated, 120 Ω termination via microswitch
Voltage Supply	120 ... 240 V AC

Power Consumption	max. 50 VA
Measuring Accuracy	REG (acc. to DIN 43880)
Housing Width	10 PU
Operating Conditions	Ambient temperature during operation: 0°C ... +50°C Storage temperature: -25°C ... +60°C
Protection Rating	IP20

TQ-Systems GmbH
Mühlstraße 2 | Gut Delling | 82229 Seefeld | Germany
Tel.: +49 8153 9308–655 | info@tq-automation.com

tq-automation.com