>> MULTI-16
Multi-purpose room controller

- >> 6 universal inputs
- >> 2 analogue inputs
- >> 4 digital outputs
- >> 4 analogue or TRIAC outputs
- >> Detachable connectors
- >> Pre-programmed by Fidelix

Choose your program, connect, measure and control

The Multi-16 is a versatile controller that can be used for numerous applications, such as hotel rooms, district heating, small ventilation systems, or as room controller.

The modules CPU runs its code independently, enabling swift and accurate reactions to changing measurements. Choose the Multi-16 program that best fits your needs from our extensive library, or ask for your personal, dedicated program. All modules will be pre-loaded with the requested program, tested and 100% guaranteed to work.

The module can be connected via Modbus RTU to a Fidelix building management system to send out alarms, measurements or other data. The internal Flash memory of the module makes sure all data is saved even during power or communication interruptions.

Technical features

Size (with DIN-rail clamps):	117mm x 125mm (x 65mm height)
Operating voltage:	24 VDC (16-26VAC)
Operating temperature:	0 to +50°C
Supported input:	digital or analogue input (0(2)-10V, resistive, …)
Analogue output voltage:	0-10 VDC
TRIAC outputs:	PWM maximum 1A
Output relays:	230 VAC / 6A max
Enclosure (optional, without DIN-rail clamps):	IP55, non-flammable polystyrene, IEC 695-2-1

Modbus address: The address of the Multi-16 module is set by changing the position of dip-switches 2-8. Each dip-switch represents a binary value: dip-switch 2 = 64, dip-switch 3 = 32, dip-switch 4 = 16, dip-switch 5 = 8, dip-switch 6 = 4, dip-switch 7 = 2, dip-switch 8 = 1.
Example: To set the Modbus address of the module to 81, set dip-switches 2, 4 and 8 to ON, and dip-switches 3, 5, 6 and 7 to OFF . (dip-switch 2 = 64, dip-switch 4 = 16, dip-switch 8 = 1. 64+16+1 = 81)
Bear in mind however, that the Fidelix outsations only support reading addresses from 1-63 on each Modbus channel.

Modbus speed: The Multi-16 module communicates at 9600 or 38400 bps, selectable with the physical dip-switch (dip switch number 1) on the module. If the Multi-16 is the last module in the Modbus loop, the loop must be closed with the jumper next to the Modbus connectors.

Digital Output: The relays on the multi-16 module are optional. Ask for MULTI-16-R when placing your order if you want the version with the relays.