



DIGIcontrol-RMO/-CMO

- ModBus to Intelligent Building Bus (IBB)
- Up to 10 ModBus energy meter
- Up to 60 counters & 60 analogue Values
- 3/4 individual addressable monitored inputs
- one potential free power relay
- relay power management for low power consumption
- configurable alarm input filter functions
- EEPROM for filter and input parameter
- Lighting control function logic
- DIN-Rail mounting

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ModBus to IBB interface

The DIGIcontrol-RMO represents a gateway between the Intelligent Building Bus (IBB) and MODBUS (RTU) counters. Supporting MODBUS device register content readouts and transmission to bus master in AUTO MODE (needs to be configured previously). It also supports unlimited access to MODBUS in RAW mode with no modbus device configuration..

The DIGIcontrol-RMO ModBus (RTU) master to Intelligent Building Bus (IBB) interface allows connecting up to 10 ModBus energy or other counter modules. Up to 60 analogue channels and 60 logger/counter channels with configurable ModBus register sources can be converted to the DIGIcontrol IBB network protocol. This allows to protocol and monitor total power consumption and delivery, as well as individual phase values, including phase voltage and current with just one ModBus counter module.

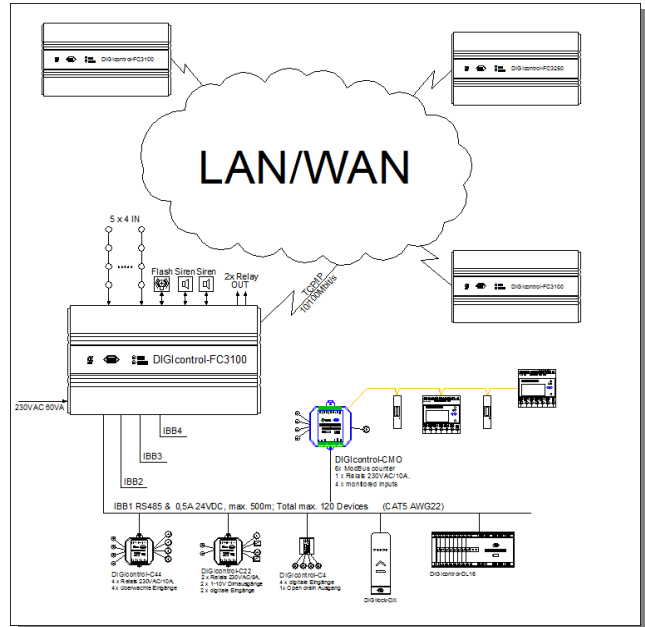
The DIGIcontrol-RMO features also three or DIGIcontrol-CMO four monitored digital inputs. This enables the use in VDS conform alarm configurations. A single general-purpose relay can be used for power managing, light control or any other application.

A unique serial number allows the configuration of a RS485 ID-number in the range from 1 to 120. The device is powered over their internal power regulators from the IBB line. An intelligent relay power management is featuring a small relay hold current reduces the IBB power requirement.

Parameters are stored in EEPROM to avoid loss of data in the event of power failure. Configuration is carried out from the computer, allowing parameters such as the association of Modbus registers to DIGIcontrol regulation and counter values. Inputs can be configured for alarm or lighting control functions. Each input can be used at the same time for lighting control, regulation, video, intercom, access control and alarm monitoring

The DIGIcontro-RMO form factor allows smooth installation between DIN-Rail fuses.

The DIGIcontrol-3000 host software allows an easy configuration of different Modbus counter modules. A help function allows the quick configuration of some predefined ModBus energy counter modules.



Technical Data

DIGIcontrol-RMO/-CMO:

- ARM4 low power CPU with EEPROM for ID and filter parameters
- Dual colour operation mode LED
- 19.200 Baud Modbus Master
- 1 monitored power relay 230VAC/6A
- 3/4 monitored digital inputs
- 1 RS485 IBB interface to floor controller
- Power: 10,5-28VDC / 50 mA max.
- Dimensions: RMO W22,5 x L98 x H56,5 mm
CMO W 80 x L 67 x H 39 mm
Both for DIN-Rail mounting
- Temperature range: -10° to +50°C

Delivery Contents:

DIGIcontrol-RMO or- CMO complete with installation and wiring instructions.

Options:

DIGIcontrol-SMod Single-phase energy meter with ModBus RTU interface to query data, 230VAC max 32A, Display of active power, voltage and current, 7-digits display

DIGIcontrol-3Mod 3-phase energy meter with ModBus RTU interface to query data, max 75A, Graphic LC display 8-digit display with one decimal place, Accuracy class B(+/-1%) for active energy EN50470-1, -3

DIGIcontrol-3BMod 3-phase bidirectional energy meter with ModBus RTU interface to query data, max 75A, Graphic LC display 8-digit display with one decimal place, Accuracy class B(+/-1%) for active energy EN50470-1, -3

Information contained in this document is correct at the time of publication (141223) is subject to change without notice.

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