



## DIGIcontrol-R22, -R2L

- I/O modules for DIN-Rail mounting
- IBB/S Bus interface for data & power supply
- High security AES encrypted IBB/S communication
- Monitored digital input for alarm, light & regulation
- Digital input configurable to use as counter (-R22)
- V4 analogue reporting system
- DIGIcontrol-R22 two relay & two monitored input
- DIGIcontrol-C2L two LED PWM driver & one monitored input

# DIGIcontrol-R22, -R2L

# DIN-Rail I/O modules

The DIGIcontrol mini I/O modules are **Intelligent Building Bus (IBB)** devices with local intelligence. They are designed to extend the input and output capacity of DIGIcontrol-FC3xxx controller with networked I/O's for DIN-Rail mounting.

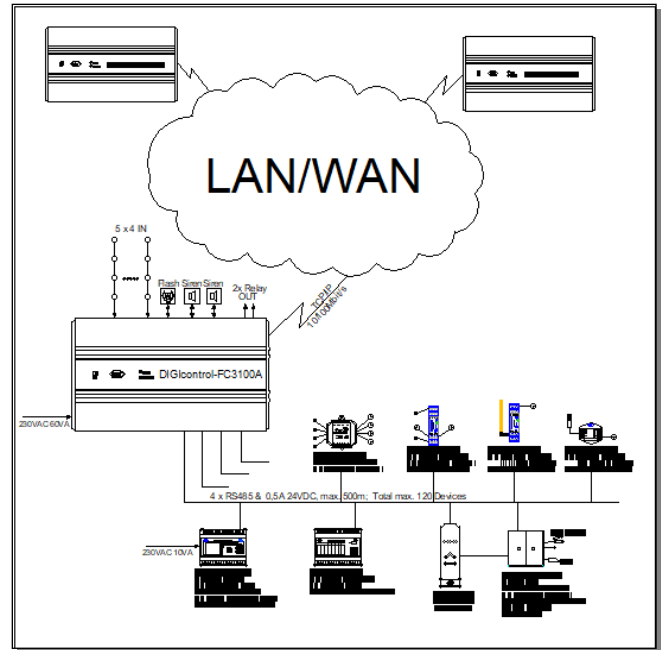
A unique serial number allows the configuration of a RS485 ID-number in the range from 1 to 120. The devices are powered over their internal power regulators from the IBB line. An intelligent relay power management featuring a small relay hold current to reduce the IBB power requirement.

Parameters are stored in flash memory to avoid loss of data in the event of power failure. Configuration is carried out from the host computer, allowing parameters such as the association of input to

lighting circuits or lighting groups, input filtering, assignment to alarm zones and input characteristics to be defined. The input can be used at the same time for lighting control, regulation, video, intercom, access control and alarm monitoring.

**DIGIcontrol-R22** is the small daughter of the famous C44A module. Featuring two general-purpose relays with changeover contacts and internal relay status feedback inputs. Two monitored digital inputs can be used as alarm, light control or regulation input or as a counter input to monitor and protocol energy or water consumption. The Input can handle up to 10240 pulses/sec. The device configuration allows to adapt the counter with multiply & divide to your specific scaling needs.

**DIGIcontrol-C2L** DIN-Rail module features two PWM LED-Drivers to control and dim 2 independent LED lamps. It could be configured either to control 2 independent dimmable LED lamps or as a single LED lamp with colour temperature regulation. The input could be used as alarm input, as light control input or as regulation input. Depending on the used LED-Lamps, an external 12 or 24V DC power supply is needed.



## Technical Data:

### All modules:

32-bit ARM Cortex-M4 CMOS CPU  
Memory: 256kb Flash / 32kB SRAM  
IBB/S network interface  
Supply voltage: 11-28 VDC  
Operating temperature: -10° to +45°C

### DIGIcontrol-R22

2 monitored digital input for alarm,  
light functions or as counter input  
2 Relay 230VAC/16A NO & NC connections  
Supply current: 70mA max.  
Dimensions: B 22,5 x L 98 x H 56,5 mm, DIN-rail mounting

### DIGIcontrol-R2L

1 monitored digital input for alarm or light functions  
2 PWM LED driver outputs 12-24V/6A  
Supply current: 50mA max.  
Dimensions: B 22,5 x L 98 x H 56,5 mm, DIN-rail mounting

## Delivery Content:

DIGIcontrol-R22 or -R2L (in ten Pack box) complete with installation and wiring instructions.

Information contained in this document is correct at the time of publication (120223) is subject to change without notice.

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