



DIGIcontrol-C21, -C2L, -C1S

- Mini I/O modules for small mounting space
- 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 (-C21, -C1S)
- V4 analogue reporting system
- Designed to fit in a DIN light switch box
- DIGIcontrol-C21 two relay & monitored input
- DIGIcontrol-C2L two LED PWM driver & monitored input
- DIGIcontrol-C1S Sensirion Interface & monitored input

DIGIcontrol-C21, -C2L, C1S

Mini 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 where ever only a small amount of space is available.

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.

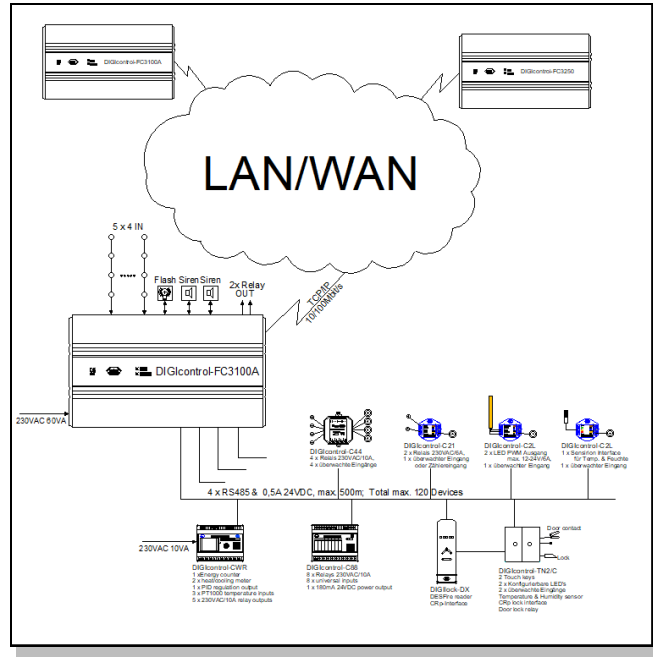
All units can be mounted in a DIN light switch box or with two 3mm screws on a flat surface.

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-C21 is the small daughter of the famous C44A module. Featuring two general-purpose relay outputs with status feedback inputs and one monitored digital input. The input can be used as alarm input, light control input or as a counter input to monitor and protocol energy or water consumption.

DIGIcontrol-C2L features two PWM LED-Drivers to control and dim 2 independent LED lamps. It could be configured either to control 2 dimmable LED's 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.

DIGIcontrol-C1S allows to connect a single Sensirion (SHT-20, 25, 30) temperature and humidity sensor to the IBB/S network. Configuration and protocol support fully the V4 analogue reporting system for detailed evaluations. The input can be used as alarm input, light control input or as a counter input to monitor and protocol energy or water consumption.



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-C21

1 monitored digital input for alarm, light functions or as counter input
1 Relay 230VAC/6A NO & NC connections
1 Relay 230VAC/6A NO connection
Supply current: 70mA max.
Dimensions: Ø 53 x H 22 mm, DIN-box or on wall mounting

DIGIcontrol-C2L

1 monitored digital input for alarm or light functions
2 PWM LED driver outputs 12-24V/6A
Supply current: 50mA max.
Dimensions: Ø 53 x H 22 mm, DIN-box or on wall mounting

DIGIcontrol-C1S

1 monitored digital input for alarm, light functions or counter
1 interface for Sensirion temperature & humidity sensor
Supply current: 30mA max.
Dimensions: Ø 53 x H 22 mm, DIN-box or on wall mounting

DIGIcontrol-C1S/C

As DIGIcontrol-C1S but with 2m Sensirion temperature and humidity cable sensor.
Accuracy: ±2 %RH and ±0.2°C

Delivery Content:

DIGIcontrol-C21, -C2L, or -C1S (in ten Pack box)
complete with installation and wiring instructions.

Information contained in this document is correct at the time of publication (070621) is subject to change without notice.

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