



## DIGIcontrol-CH8, -CFF

- Universal I/O extension module
- 8/16 individual addressable inputs & outputs
- 8/16 potential free power relays
- Manual overwrite switches (-CH8 only)
- 2 x3 main power monitoring (-CH8 only)
- four energy counter inputs
- configurable alarm input filter functions
- EEPROM for filter and input parameter
- Lighting control function logic
- Aluminium DIN rail housing
- Intelligent Building Bus (IBB) interface

# DIGIcontrol-CH8, -CFF

The DIGIcontrol-CH8 & -CFF is a universal input/output control module for the Intelligent Building Bus (IBB) in an aluminium enclosure for DIN-Rail mounting. They are designed to extend the input and output capacity of DIGIcontrol-FC3xxx controller with networked light switches, presence detectors, regulation devices and alarm points.

DIGIcontrol-CH8 has eight universal relay outputs with manual overwrite and status LED's. The manual overwrite switch has 3 positions for manual ON, OFF and AUTO. Only the AUTO mode allows the DIGIcontrol-3000 system to control the relay. Over internal digital inputs the actual relay status could be reported if needed. This allows the System to know always if the relay is on or off, even in manual mode. The feedback could be used also to trigger other regulation or light functions. DIGIcontrol-CFF features instead 16 Relays without manual overwrite.

8 (or 16 for DIGIcontrol-CFF) universal balanced inputs could be used for light control, alarm and regulation functions. Every input could be used for one or more different functions at the same time.

Four of the universal inputs could be used as counter inputs to connect energy or water meters with S0 output.

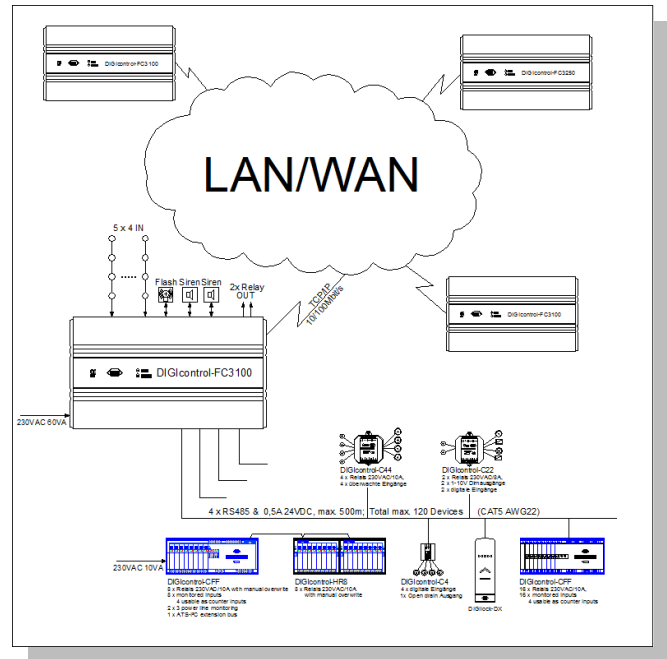
2x 3 230VAC phase detection inputs allows to monitor the availability of power (circuit break detection, etc..).

A unique serial number allows the configuration of a RS485 ID-number in the range from 1 to 120. The devices are powered with an integrated power supply to prevent high bus power load.

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

Up to 2 DIGIcontrol-HR8 expansion module could be connected by an ATS-IPC bus to a DIGIcontrol-CH8. Each module provides 8 additional power relays with manual overwrite, status LED's and legend field.

# Input / output modules



## Technical Data:

### DIGIcontrol-CH8

AT89C51 CMOS microprocessor with 64kB Flash  
2kB EEPROM for ID and configuration data's  
IBB Network interface

ATS-Extension bus for max. 2 DIGIcontrol-HR8

8 monitored digital inputs

4 could be used also as counter Inputs

8 Relay 230VAC/10A with manual overwrite & feedback inputs

2x 3 230VAC phase detection inputs

Supply voltage: 230VAC 15VA

and 10-28 VDC from IBB Supply current: 40mA max.

Operating temperature: -10° to +45°C

Dimensions: W215 x H85 x D50 mm, DIN-Rail mounting

### DIGIcontrol-HR8

ATS-IPC extension Module for DIGIcontrol-CH8

8 Relay 230VAC/10A with manual overwrite & feedback inputs

Supply current: From master module over ATS-Extension bus

Dimensions: W110 x H85 x D50 mm, DIN-Rail mounting

### DIGIcontrol-CFF

AT89C51 CMOS microprocessor with 64kB Flash

2kB EEPROM for ID and configuration data's

IBB Network interface

16 monitored digital inputs

4 could be used also as counter Inputs

16 Relay 230VAC/10A

Supply voltage: 230VAC 15VA

and 10-28 VDC from IBB Supply current: 40mA max.

Operating temperature: -10° to +45°C

Dimensions: W215 x H85 x D50 mm, DIN-Rail mounting

## Delivery Contents:

DIGIcontrol-CH8, -HR8 - or -CFF complete with installation and wiring instructions.

Information contained in this document is correct at the time of publication (070315) is subject to change without notice.

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