



DIGIcontrol-BC3002

- Intelligent Addressable Fire Alarm System
- Full redundancy from MCU to Loop controller
- Ethernet TCP/IP next generation building control
- 1 to 8 full redundant loop controller
- Up to 1000 Apollo Discovery or XP95 detectors
- Dual FAT/FBF controller Interface for up to 4 panels
- 240x64 dots graphic display and control panel
- Two "smart channel" cable entry for easy wiring
- 180VA 24V power supply & battery management
- Temperature-controlled battery space for 2 x 12V/84Ah
- Optional DIGIcontrol-3000BG graphics and central monitoring SW
- Optional: 2x96 LED Display, I/O & distinguishing interface, SMS & Modem interface

DIGIcontrol-BC3002

Fire Alarm System

TCP/IP Ethernet is the new standard for security and building control systems. DIGIcontrol-BC3002 full redundant fire alarm controller is a new step for ATS integrated building control systems.

The intelligent Fire Alarm Control Panel, designed with one to 8 Loop controllers for medium- to large-scale facilities. Each loop controller handles up to 125 addressable Apollo XP95 or Discovery fire detectors.

Fire emergency detection and evacuation are extremely critical to life safety, and the BC3002 is ideally suited for these needs. A large 320-character LCD-Display and keypad presents vital information to operators concerning a fire situation, progression of fire and evacuation details.

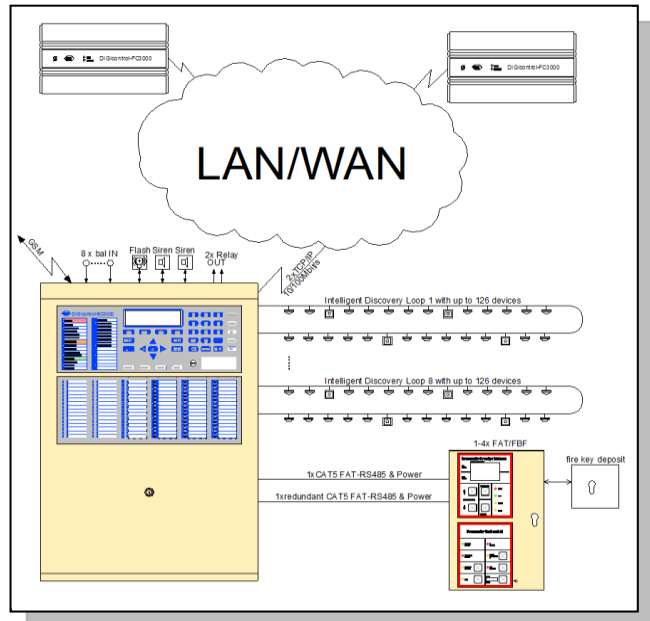
An intelligent 7A/24V power supply ensures together with a maximum of 2 x 85Ah batteries and the configuration software 72h operation in case of power fail.

- Build in Alarm, trouble, security and supervisory relays
- Software and parameters stored in Flash memory
- Occupancy time schedules allow changing of sensitivity and alarm rules
- Optional 2x96 free configurable LED panel for fire groups and system or output status
- 3000 event history file in non-volatile memory
- Auto programming and walk test report
- Up to nine users, each with a password and selectable access levels
- 17 & 2x16 LED indicators: Power; Fire Alarm; Delayed Alarm; System Trouble; ...
- Dual ARM9200 32Bit MCU with automatic fail over
- Up to 8 Single or full redundant loop interfaces
- Dual-detector algorithm involves nearby detector in alarm decision
- Optional redundant 8 zone fire distinguisher interface
- Optional integrated SMS and Modem interface

The integrated IP monitoring interface permit monitoring of alarm signals over the Internet. A built in high performance 256bit AES communication encryption makes it to the securest fire controller worldwide. Auto configuration data's are loaded to the free configuration Software to allow a fast and easy configuration.

An optional DIGIcontrol-3000BG is a powerful graphic editor for custom graphics and central monitoring Software. Alternative DIGIcontrol-3000BI gives all the feature of DIGIcontrol-3000BG plus full integration with the DIGIcontrol-3000 building and security system.

Informations from the fire panel can be sent via an ATS communications link directly to the FC3000 multi application controllers. This gives a perfect integration with the ATS security and building automation system.



Technical Data:

2x ARM9200 32Bit MCU, 16MB Flash & 32MB SDRAM
CMOS clock w. Lithium battery; 2x 100Mbit Ethernet interface,
Redundant RS485 alarm interface bus for up to 8 Loop or stub
cards, 1x distinguisher card and power supply communication
1x RS232 for diagnostic, 1x USB for Data exchange
Dual RS485 FAT/FBF interface for redundant cable ring
1x RS485 for optional SMS-Server and Modem-card
1x RS485 for intelligent display & membrane switch keypad
8x40 character backlight LCD-Display
Interface for optional 2x96 LED panel
180VA/24VDC intelligent power supply with 6 separate secured
power outputs & battery management
8x supervised inputs, 3x output with supervised feedback
4x Relay 30V/2A, OC-10 digital outputs max.
4x Relay 30V/2A, 10x OC-Out 24V/50mA, 1x tamper switch,
Dimensions (overall): 740 x 520 x 266 mm
Temperature range: -10° to +45°C

Delivery contents:

DIGIcontrol-BC3002 complete with configuration software,
installation & wiring instructions, without batteries

DIGIcontrol-BC3000

as BC3002 but without redundancy for max. 512 detectors

Options:

DIGIcontrol-BAL/R

Redundant ring bus interface card for the connection of max. 125
Apollo XP95 and Discovery detectors; 3x OC outputs

DIGIcontrol-BGM/R

Redundant conventional sensor interface card with 8 direct lines
for max. 32 detectors each.

DIGIcontrol-BLI

Redundant distinguisher and I/O interface with 8 x 30V/2A
relay and monitored feedback inputs.

DIGIcontrol-BSM

SMS server for automatic alarm and status messages.

Information contained in this document is correct at the time of publication (110315) is subject to change without notice.

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ATS

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