Network

Multi application controller

DIGIcontrol-FC3100

- Integrated building and security controller
- Ethernet TCP/IP next generation building control
- DIGIcontrol-3000 building control Software
- Up to 1000 FC3100 in a wide area network
- 4 IBB bus interfaces or two Loops with up to 120 devices
- 50 out of 2000 zones with up to 1000 alarm points
- 3 Relays outputs and 5 monitored alarm Inputs
- Access controller for up to 50 doors & 15000 Cards
- Lighting controller for up to 200 of 10.000 light circuits
- Intercom, video & sound on demand controller
- 24V/60VA 230VAC power supply & battery management
- Continuous 24V bus voltage even on battery mode

DIGIcontrol-FC3100

Multi application controller

TCP/IP Ethernet is the new standard for security and building control systems. DIGIcontrol-FC3100 multi-application building & security controller is fully built to this standard.

Through its forward-looking concept, it combines alarm & intrusion, access, light & temperature control, intercom & video surveillance, sound on demand control and many more functions of modern building and security technology in one device. It reduces your energy consumption by up to 30% and saves up 70% off cabling and installation costs.

System scalability from a single apartment to a skyscraper and use of standard Ethernet infrastructure ensures flexible configuration and expansion capability of up to 1000 floor controllers in one system. A built in high performance 256bit AES communication encryption makes it to one off the securest controller worldwide.

The multi-lingual DIGIcontrol-3000 security and building automation software, is an advanced development of the famous DIGIcontrol-2000 SW. It supports all FC3000 integrated security and building automation functions in a level of performance and a simplicity-of-use which is unmatched by anything else in its class.

A powerful 32Bit microprocessor with 16MB flash memory, CMOS-clock and 10/100Mbit Ethernet interface supports following important functions:
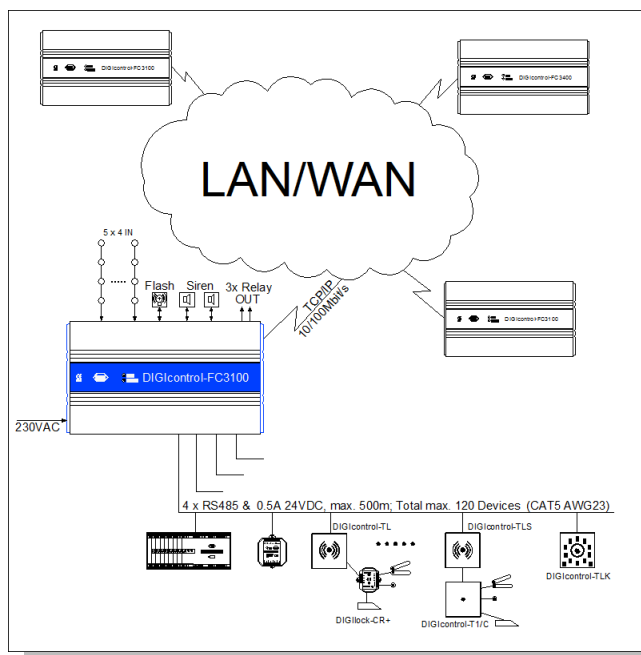
- 120 devices on up to four IBB lines or 2 IBB-Loops
- 50 of 2.000 Access areas and 15.000 cards
- 100 time structures for access, door function …
- 200 of 10.000 light circuits and 50 light programs
- 50 of 2.000 alarm areas in one of 2000 groups
- 400 regulation modules
- 16 local switching cameras
- 16 local Video door entry phones
- direct interaction with ATS digital Video recorder

An RS485 data and power bus with four separate supervised lines (configurable also as 2 IBB-Loops) each with 0,5A/24VDC power enables connection of up to 120 devices in total. Each line with separate fuse & protection supports a CAT-5 cable length with a maximum of 500m.

Up to 4 sensors can be connected to each of 5 supervised lines. Further alarm interface devices can be connected over the RS485 IBB network to support a maximum of 1000 alarm points in up to 50 alarm areas per FC3000. Three supervised outputs control external bells or sounders.

The power management features a 230V/60VA switched power supply with battery monitoring, space for a 12V/7Ah battery to supply the unit, extension modules and locally connected alarm peripheral.

Technical Data:

32 Bit 180Mhz ARM-9 CPU with Lithium battery buffered CMOS clock;

32MB SDRAM, 16MB Flash memory,

10/100Mbit Ethernet interface,

1x 56kB serial communication with bus multiplexor to 4x RS485 IBB lines (configurable also as 2 IBB-Loops) each with electronic fuses 0,5A 24VDC and line power monitoring

1x RS232 for diagnostic

5x supervised alarm inputs

1x tamper switch,

3x Relay out max 30V/0.2A

Power supply: 110-250VAC 60 VA

DC Output: 24V DC 2,5A max.
Battery charging and managing logic
AC and Battery Power monitoring Inputs

Dimensions (overall): 307 x 175 x 80 mm

Temperature range: -10° to +45°C

Delivery:

DIGIcontrol-FC3100 complete with DIGIcontrol-3000 software licence, installation & wiring instructions.

Variants:

DIGIcontrol-FC3101
As DIGIcontrol-FC3100 but for only 60 IBB devices, 20 access and 20 arming areas and 20 regulation circuits

Options:

DIGIcontrol-UID
Additional UID verification for up to 15000 Cards
DIGIcontrol-T&A
T&A support for DIGIcontrol-TD6 terminal

Austrian Technical Systems

ATS