

Network

Multi application controller



DIGIcontrol-FC3100A

- 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-FC3100A

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. DIGIcontrol-FC3100A is fully compatible with FC3100 but incorporates a more powerful 800 MHz i.MX6S7 CPU.

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 to 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 128MB flash memory, CMOS-clock and 10/100Mbit Ethernet interface supports following important functions:

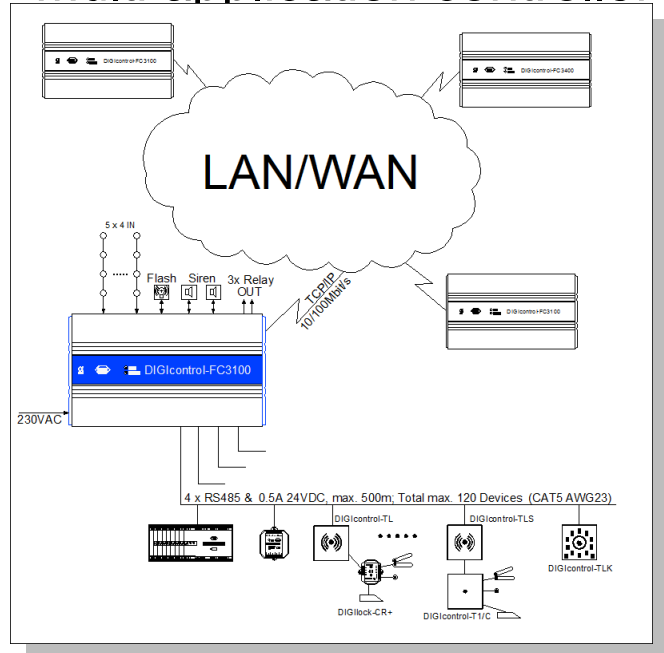
- 120 devices on up to four IBB lines or 2 IBB-Loops
- 50 of 2.000 Access areas and 15.000 cards
- 100 time structures for access, light & door control
- 200 of 10.000 light circuits and 50 light programs
- 50 of 2.000 alarm areas in one of 2000 groups
- 400 regulation modules
- 16 local switching cameras
- 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.

Multi application controller



Technical Data:

32 Bit 800Mhz ARM Cortex-9 CPU with Lithium battery buffered CMOS clock;
128MB SDRAM, 128MB Flash memory,
10/100Mbit Ethernet interface,
1x 56kB serial communication with bus multiplexor
to 4x RS485 IBB lines (configurable also as 2 IBB-Loops)
with electronic fuses 0,5A 24VDC and 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-FC3100A complete with DIGIcontrol-3000 software licence, installation & wiring instructions.

Variants:

DIGIcontrol-FC3101A

As DIGIcontrol-FC3100A 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

Information contained in this document is correct at the time of publication (07-02-20) is subject to change without notice.

Austrian Technical Systems

ATS

Werk Wienerwald +43-2238-700-05, <http://www.ats.co.at>, mail: sales@ats.co.at