DIGIcontrol-FAL

- IBB/S single fire loop interface
- Support for Apollo XP95 & Discovery detectors
- Up to 60 addressable fire detectors
- Apollo XP95 and Discovery protocol
- Encrypted IBB/S bus communication
- Bus power supply converter to 26VDC
- Programmable relay output for alarm signalling
- 3 dual colour LED's for status report

DIGIcontrol-FAL Fire loop interface

DIGIcontrol-FAL IBB/S fire loop controller is a generic fire detector loop Gateway to expand ATS floorcontrollers with technical fire alarm sensors. It enables to connect up to 60 XP95 or Discovery Apollo fire detectors on a single fire loop.

A switched power supply converts the IBB bus voltage to stable 26VDC loop voltage to connect up to 60 fire detektors. The maximum loop current is configurable up to 250mA (=60 detectors with 350µA & 60x3,5mA Alarm LED).

The controller checks the proper loop status and shield. Three dual colour LED's allow an easy status display for service purposes:
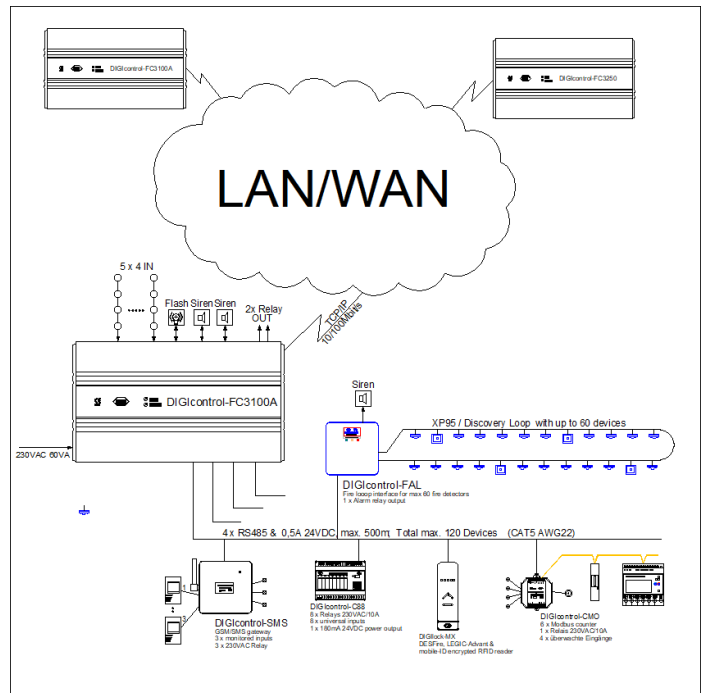
CPU-LED	green blinking	CPU running
	red	CPU not polled
DIAG-LED	red	segment error
	green	loop error
ALARM-LED	green	shield error
	red	fire alarm

A programmable switch over alarm relay allows alarm signalling even when the floorcontroller communication has failed. A jumper allows configuration to NO or NC operation. The host SW allows configuration to activate relay in following cases: Alarm, offline, segment shorted, loop broken, fatal failure (both segments shorted).

Full DIGIcontrol-3000 host SW-Support for configuration with multiple fire detection zones, alarm rules and graphic display sensor status.

Note! Even the controller has the same electronic and firmware as the EN54 approved BAL interface for the ATS DIGIcontrol-BC3000 fire panel, DIGIcontrol-FAL together with an ATS floorcontroller is <u>not</u> an approved fire alarm system and should be used only for technical fire alarm detection purposes.

A small on wall mounting box allows easy installation.

Technical Data:

DIGIcontrol-FAL:

40Mhz 89C51 CMOS microprocessor with 64kB flash memory, 2k EEPROM and 32kB SRAM for configuration parameters

1 Fire loop interface for up to 60 XP95 or Discovery fire detectors with configurable max. loop current

1 manual test jumper for screen test

1 Configurable alarm relay (NO or NC jumper)

3 Dual colour LED'S for CPU, DIAG & ALARM

1 IBB 56kB RS485 bus interface to floor controller

Power: 15-24VDC / 1A from Bus or external source

Temperature range: -10° to +50°C

Dimensions: 114 x 114 x H 26 mm

Delivery Contents:

DIGIcontrol-FAL complete with installation and wiring instructions.

Options:

D-OPT	Discovery optical detector
D-MLT	Discovery multi sensor detector
D-TRM	Discovery heat detector
D-CO	Discovery CO detector

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