

# MCU 316



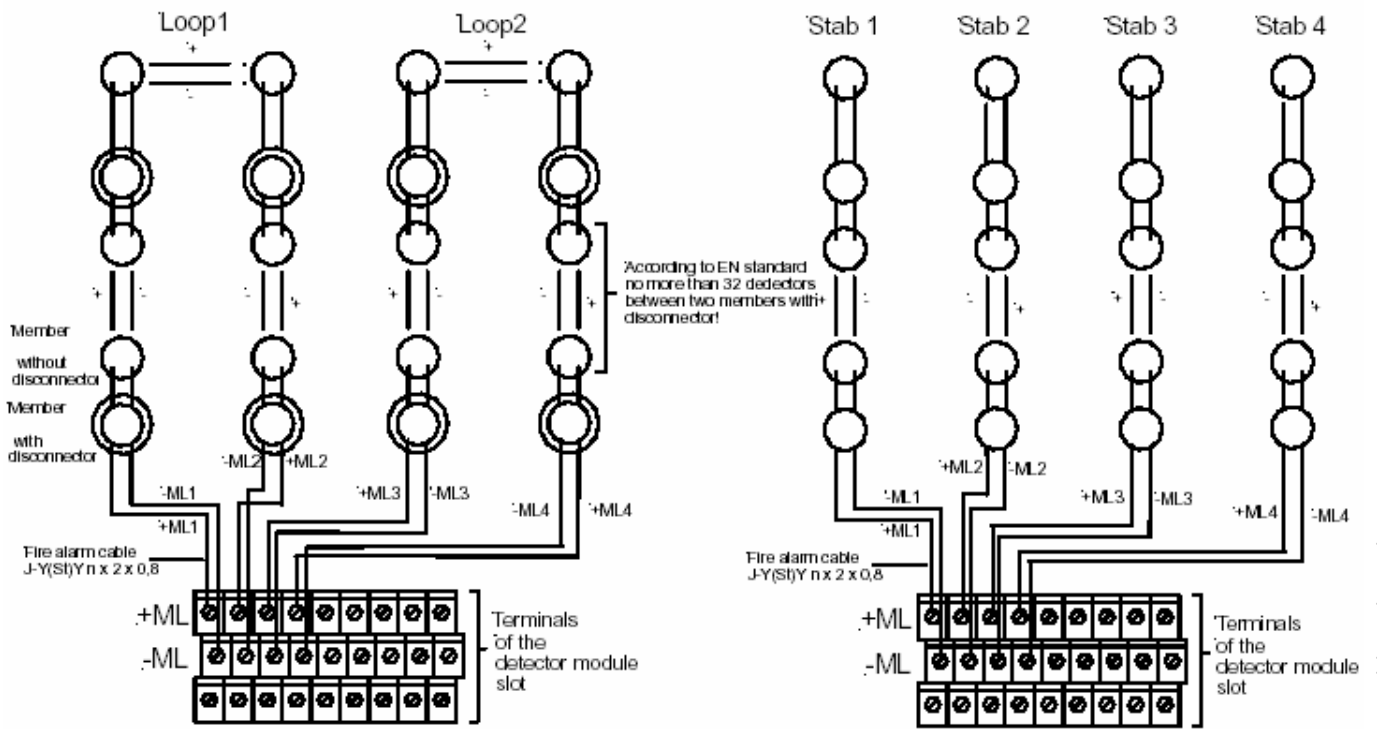
## Fire Alarm Control Panel MCU316:

- Fully monitored, user programmable central coordination computer.
- Fully compliant with EN54 and DIN VDE as well as VdS guidelines.
- Conventional type and bus technology can be incorporated in one housing (hybrid operation)
- 2-16 loops (1-8 intelligent loop interfaces) for intelligent loop devices.
- 8-64 conventional type zones (1-8 conventional type interface).
- Integration of single-zone indicators for max. 192 user-programmable detector zones.
- Max. 192 programmable detector zones.
- Max. 126 intelligent loop devices when using intelligent interface/ maximum 30 conventional detectors when using conventional type interface.
- Max. 2016 intelligent loop devices may be connected.
- Redundant interface possible (optional).
- Detector zone labelling possible with slide-in strips.
- 4-line LCD display (option: service address).
- Robust, sheet steel housing designed for the integration of peripheral components (relay cards ,alarm modules, etc.).
- Foil keyboard with precise keys
- Optional Printer can be easily integrated on the front panel of the unit (cut-out already provided).
- Includes master fire brigade alarm board for connecting fire brigade operating panel, key cabinet adapter or master box.
- Includes integral 32 detector zone LED's individual indication.
- Includes integral BitBus interface.
- 3 floating contacts for group alarms.
- 9 OC outputs (further OC outputs on detector / peripheral components)
- Supervised control lines for external signalling units.

- Programming (basic version):
  - All programming functions (except text input) possible via password protected keyboard on operating panel.
  - Automatic import of all detector/module types.
  - Simple programming with PC or modem (Windows interface) via RS 232 interface.
  - User-programmable detector zones (detectors and modules of the Profi Loop series).
  - 2-detector and 2-zone dependence.
  - Interactive or automatic threshold sensitivity adaptation of individual intelligent detectors to suit local conditions.
  - Pre-alarm, day/night programs with alarms buffer (reaction and inspection time)
  - Plain text for each detector zone (conventional type technology) and for every addressable detector and module of the bus system (stored in non-volatile memory).
  - Programmable detector zones for fire protection limits (complying with VdS).
- Comprehensive service and diagnosis functions:
  - Continuous auto-diagnosis of bus detectors by a periodic “ polling/response mode”
  - Multiple polling with plausibility check for suppression malfunctions and avoiding false alarms (e.g. EMC effects).
  - Displays of line current in mA for each conventional loop.
  - Displays of detector type, analogue measured value and detector address in the case of analogue bus detector.
  - “Detector test” function switches every detector to alarm mode for checking all indications and alarm signals.
  - One-man servicing.
- Remote diagnosis, remote control and remote programming (teleservicing)

Mains Voltage	230 VAC, 50 / 60 Hz
Operating voltage	24 VDC
Power supply	8 A
Battery capacity	40 Ah / 24V
Standby current	190 mA
Interfaces	2x RS232 1x BitBus
Controlled output	3x 24VDC / 400mA
Output 24 V for external use	2x 800 mA
Dimensions (H x W x D)	780 x 580 x 240 mm
Housing:	sheet steel, RAL 7035
Weight	30 kg w/o batteries

# WIRING



If loop 2 is not used, 2 stabs can also connected there. This applies also for loop 1!

In the interest of improving quality and design, Fittich reserve the right to amend specification without giving prior notice