

## FACP FlexES Control FX2 (2 loops)



### Part-No. FX808392

Approval: VdS, CNBOP

VdS system authorization: S 209207

Basic set for assembly of a FACP with module slots and software support of 2 modules. The modular FACP FlexES Control concept offers three pre-configured, factory-made expansion units (FX2, FX10, FX18) for operating up to 2, 10 or 18 modules. The FlexES Control expansion can, however, also be adapted to individual requirements by using separately provided components. Depending on the system's design, it might be necessary to use an expansion housing unit for the batteries and an additional power supply unit. The FlexES system provides a Master & Slave Control Module (CPU), galvanically isolated loop modules and up to three cascadable and redundant Power Supply Units each with 150W (same or different main). As well it's delivered with a dust filter, which is proven in use in typical applications with dust-laden environment and/or sanddust regions. System supports up to 254 digital loop addresses in total. Configuration is modularly expandable up to 10/18 loops by exchange of the CPU license and housing extensions.

#### Features:

- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m<sup>2</sup> or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLus
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Event memory with 10,000 entries
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of loops possible
- Up to 1,000 control zones

#### In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

#### Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (series 9200) per loop
- Up to 32 powered loop IQ8Alarm per loop
- Up to 48 IQ8Quad with alarm device per loop

Rated voltage	230 V AC
Rated frequency	50 ... 60 Hz
Rated current	0.8 A
Output voltage	24 V DC
Quiescent current	approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit)
Current consumption for ext. devices	3 A
Battery capacity	2 x 12 V / 12 Ah (max. 4 x 12 V/24 Ah)
Ambient temperature	-5 °C ... 45 °C
Storage temperature	-10 °C ... 50 °C
Type of protection	IP 30
Housing	ABS, 10% glass fiber reinforced, V - 0
Air humidity	< 95 % (non-condensing)
Color	gray, similar to Pantone 538
Weight	approx. 6.5 kg
Dimensions	W: 450 mm H: 320 mm D: 185 mm



Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX8084xx) or the neutral front (Part No. FX808325) must be ordered separately.

Following external printers could be switched on FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

Max. two micromodules, up to two esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 254 digital loop addresses in total).



Set includes 1 x power supply module, 1 x plug-in connection cable, 1 x PS connection module connecting cable 0.6 m, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter