

## Description

The Monitor module AD-MM 400 FE is a display and control unit for front panel mounting. The device can be used as master or slave. As a master, the device reads the displayed values of devices that are connected via the RS485 interface with the AD-MM 400 FE. The display values are polled at a certain time frame. The display values can be any data such as measured values, output values, digital inputs or outputs or various counters for energy or amounts. In addition to the display function, the AD-MM 400 FE can configure the connected devices via the menu. As a slave, the device can also be used as pure display device, where the display values are then sent from a master to the AD-MM 400.

## Application

Display measurements in a graphic display. Scroll through multiple views. Configuration of connected devices via their menu.



## Specific characteristics

- Connection in the master operation of up to 32 slaves.
- Scroll up to 10 different user-configurable displays.
- Display of up to 4 values per display.
- Freely configurable labeling of the displays and values.
- Convenient configuration of the displays via PC software AD-Studio.
- Connection of several AD-MM 400 FE on a bus in slave mode.

## Business data

### Order number

AD-MM 400 FE

## Technical specifications

### Supply

Supply voltage	20 ... 253 V AC/DC
Max. power consumption	1,0W / 2,0VA

### Housing

Dimensions (WxHxD)	96x96x63 mm
Front panel cut out	92x92 mm
Protection class panel	IP 54
Protection class connection	IP 20
Connection method	detachable terminal clamp
Manner of fastening	Panel-mount-case
Weight	205 g

### Environmental conditions

Ambient temperature	-10 ... 50 °C
Storage and transport	-10 ... 70 °C (no condensation)

### EMC

Product family standard	EN 61326-1
Emitted interference	EN 55011, CISPR11 Cl. B, Gr. 1

### Electrical safety requirements

Product family standard	EN 61010-1
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### Interface 1

Standard	RS-485
Protocol	Modbus-RTU
Max. attendance	32
Max. length of bus	100 m
Bus termination	120 Ohm (both sites of the bus)
Wiring	bus topology

### Interface 2

Standard	UART, proprietary
Function	configuration

### Display

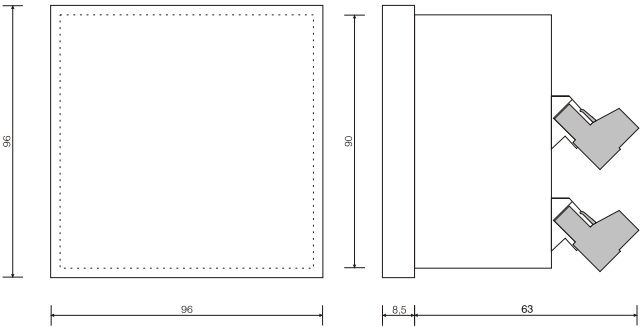
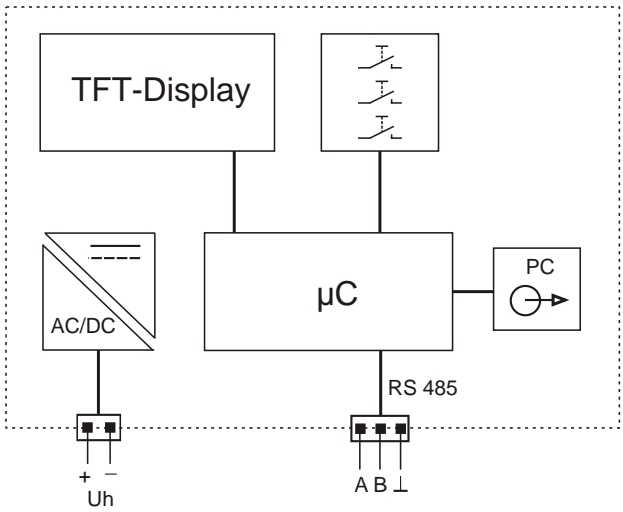
Type	3,5" TFT
Resolution	320x240 Pixel

### Operation

Type	3 short-stroke keys
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### Block and wiring diagram

### Dimensions



### Circuit examples

