■ Displays with Serial Interface MT 2511, MT 2512 and MT 2513

Highlights

- Serial Input RS 232, RS 485 or TTY
- Addressing
- LED Display 8 mm, 5 decades
- DIN Housing 48 x 24 mm
- Switchboard- or Mosaic System Mounting
- Isolated Power Supply
- Plug-In Screw Terminal

Comments

The instruments are available with several interfaces:

MT 2511

- RS 232 signal input

MT 2512

- RS 485 signal input

MT 2511

- TTY (Current-Loop, 20 mA) signal input

Standard functions

Addressing

Several instruments can work on one interface. To this each instrument gets a own adress.

If the displayed signs of the data string is not start at the first position, it is possible to programm how much preceded signs are to ignore.

Signs

- -, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F
- Blank, decimal point
- "+" is shown as a blank

Software functions

- Programmable baud rate
- 3 selectable address signs
- To fade out max. 127 signs
- Display test

Digital input channels

The instruments are provided with three digital input channels. The digital input channels are low active. The digital inputs are carried out following functions:

- Programming
- Display test

Power supply

- 18 .. 36 V DC isolated
- optional 12 V DC isolated
- optional 5 V DC isolated

Programming

The programming is easy and clearly arranged. By means of a programming menue the user is taken through this programming. The programming is carried out through the digital input channels.

Options

Housing type
- Switch board mounting DIN 43700
- Mosaic system mounting (Subklev, Siemens 8RU)

Colour of the front frame
- Black
- Grey coloured RAL 7037
- Grey coloured RAL 7032
- Grey coloured RAL 7035

Design of the front
- Without front foil
- Front foil ALU
- Front foil RAL 7032
- Front foil RAL 7035
- Unit overprint

Display colour
- Red
- Green

Digital Panel Meter

Technical data

Display	: 5 decades, 8 mm, red (opt. green)

Signal input	
MT 2511	: RS 232
MT 2512	: RS 485
MT 2513	: TTY (Current-Loop, 20 mA)

Data form bits	: 1 start bit, 8 data bits, 2 stop
Baud rate	: 1200, 2400, 4800, 9600 prog.

Digital input channels	: 10 kΩ to +5V
Low level	: < 0,4 V
High level	: > 3,5 V, max. 30 V

Power supply DC	: 18 V to 36 V DC, isolated
optional	: 12 V DC, ± 10 %, isolated
optional	: 5 V DC, ± 10 %, isolated

Power consumption	: approx. 30 mA (red)
(18 .. 36 V DC)	: approx. 40 mA (green)

Housing	: switch board mounting DIN 43700
Dimensions	: 48 x 24 x 60 mm
Depth	: < 70 mm incl. screw terminal
Protection	: front IP 40

EMV	: EMV-conform with 89/336/EWG
Operating temperature	: 0 .. 50 °C

Ordering information

MT 251x -

Housing	
0	Switch board mount
1	Panel clip

Front frame colour	
0	Black
1	Grey coloured RAL 7037
2	Grey coloured RAL 7032
3	Grey coloured RAL 7035

Front design	
0	Without front foil
1	Front foil ALU eloxiert
2	Front foil RAL 7032
3	Front foil RAL 7035

Display colour	
0	Red
1	Green

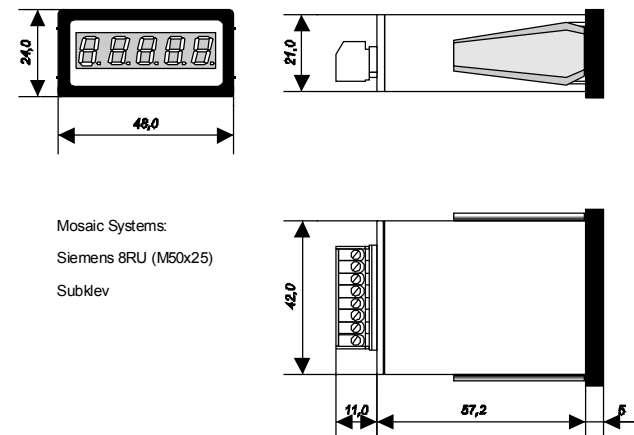| Power supply	
0	5 V DC, ± 10%, isolated
1	12 V DC, ± 10 %, isolated
2	18 .. 36 V DC, isolated

Unit overprint

Please specify in clear text at order !

Dimensions

Switch board mounting
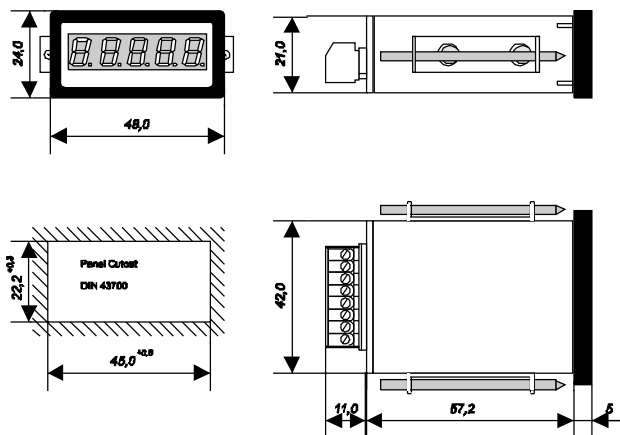
Panel clip

Mosaic Systems:

Siemens 8RU (M50x25)

Subklev