



DATA DISPLAY RS 485

- 4-digit programmable projection
- Input: RS 485
- ASCII, MODBUS-RTU
- Size of DIN 51,5 x 29,5 mm
- Power supply 10...30 VDC/24 VAC

OPERATION

The instrument is set and controlled by two buttons located on its the body.

Standard equipment is the OM Link USB interface, which, when using the control program, allows you to edit and archive all device settings and to update firmware.

All settings are stored in FLASH memory (they hold even after the power is turned off).

OMM 335RS



OMM 335RS is a 4-digit data display from the serial line RS 485.

The instrument is based on a microcontroller and an A/D converter, which ensures good accuracy and easy operation of the instrument.

The 22 mm cross-section of the circular instrument body allows its convenient mounting into mosaic and signalling panels.

OMM 335RS

DATA DISPLAY RS 485

STANDARD FUNCTIONS

PROGRAMMABLE PROJECTION

Input: RS 485

Protocol: ASCII - Master/Slave/Universal or MODBUS RTU

Projection: 9999

TECHNICAL DATA

INPUT

| | |
|------------------|--|
| Number of inputs | 1 |
| RS Input | RS 485 |
| Protocol | <p>ASCII - Master</p> <ul style="list-style-type: none"> - the instrument controls data sending from the slave system - „COMM“ can be used to select the received data - the instrument asks with the rate of 10 queries/s <p>ASCII - Slave</p> <ul style="list-style-type: none"> - Passive bus display where other devices or computers communicate in „MAST.“ mode. If the „COMM“ and the requested data are correctly received, they will be displayed by the instrument <p>ASCII - Universal</p> <ul style="list-style-type: none"> - in dynamic menu items (Stat, Ad.Un, Sign, Data, Stop, Req.) you can build your own communication protocol format <p>MODBUS RTU</p> |
| Format | 8 bit + no parity + 1 stop bit |
| Adresse | 0...31 (ASCII)/1...247 (Modbus) |
| Rate | 300...230 400 Baud |
| Line termination | short-circuit jumper on the connector |

PROJECTION

Display: -999..9999, single color 7-segment LED
 Digit height: 14 mm
 Display color: red or green
 Decimal point: adjustable - in menu
 Brightness: adjustable

INSTRUMENT ACCURACY

TC: 50 ppm/°C
 OM Link: company communication interface for operation, setting and update of instruments
 Watch-dog: reset after 500 ms
 Calibration: at 25°C and 40 % r.h.

POWER SUPPLY

Range: 24 V DC/AC, ±10 %, PF ≥ 0.4, I_{STP} < 45 A/1.1 ms
 10...30 VDC/24 VAC, ±10 %, PF ≥ 0.4, I_{STP} < 45 A/1.1 ms, isolated
 Consumption: < 0.2 W/0.2 VA

MECHANIC PROPERTIES

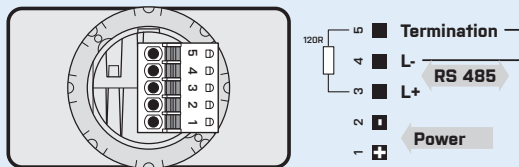
Material: PA66, incombustible UL 94 V-1
 Dimensions: 51,5 x 29,5 x 66 mm (w x h x d)
 Panel cutout: Ø 22,5 mm

OPERATING CONDITIONS

Connection: connector terminal blocks, section < 1,3 mm²
 Stabilization period: within 5 minutes after switch-on
 Working temperature: -20°...60°C
 Storage temperature: -20°...85°C
 Protection: IP65 (front panel only)
 EL safety: EN 61010-1, A2
 Dielectric strength: 700 VAC per 1 min test between supply and input
 Insulation resistance: for pollution degree II, measuring cat. II.
 power supply > 250 V (PI)
 EMC: EN 61326-1

PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OMM 335RS

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| | | | |
|---------------|------------------------------------|----------|-----------|
| Power supply | 10...30 V AC/DC | 0 | |
| | 24 V AC/DC | 2 | |
| Display color | red | | 1 |
| | green | | 2 |
| Specification | customized version, do not fill in | | 00 |

Basic configuration of the instrument is indicated in bold.