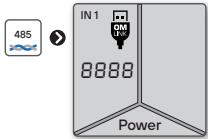




DATA DISPLAY RS 485



OMM 335RS



- 4-digit programmable projection
- Input RS 485
- ASCII, Modbus RTU
- Size of 51.5 x 29.5 mm, Ø 22 mm
- Power supply 10...30 VDC/24 VAC

OMM 335RS is a 4-digit data display from the serial line RS 485. The instrument is based on a microcontroller, 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.

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).

STANDARD FUNCTIONS

PROGRAMMABLE PROJECTION

Input: RS 485

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

Projection: 9999

TECHNICAL DATA

INPUT

No. of inputs	1
RS Input	RS 485
Protocol	ASCII - Master - 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
ASCII - Slave	- 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
ASCII - Universal	- in dynamic menu items (Stat, Ad.Un, Sign, Data, Stop, Req.) you can build your own communication protocol format
Modbus RTU	
Format	8 bit + no parity + 1 stop bit
Adresse	ASCII 0...31 Modbus 1...247
Rate	300...230 400 Baud
Line termination	short-circuit jumper on the connector resistance inside the instrument is 120 R

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 - in menu

POWER SUPPLY

Range	24 V DC/AC, $\pm 10\%$, $PF \geq 0.4$, $I_{SP} < 45 A/1 ms$, 10...30 VDC / 24 VAC, $\pm 10\%$, $PF \geq 0.4$, $I_{SP} < 45 A/1 ms$, isolated
Consumption	< 0.2 W / 0.2 VA

MECHANIC PROPERTIES

Material	PA66, incombustible UL 94 V-I, black
Dimensions	51.5 x 29.5 x 78 mm (w x h x d)
Panel cutout	Ø 22.5 mm

OPERATING CONDITIONS

Connection	connector terminal blocks, section $< 1.3 \text{ mm}^2$
Stabilization period	within 5 minutes after switch-on
Working temperat.	-20°...60°C
Storage temperat.	-20°...85°C
Working humidity	< 95% r.v., non condensing
Protection	IP65, front panel only
Construction	safety class I
El. safety	EN 61010-1, A2
Dielectric strength	700 VAC for 1 min. between power supply and input
Insulation resist.*	for pollution degree II, measuring cat. III power supply > 250 V (P)
EMC	EN 61326-1:2021, Industrial area
RoHS	EN IEC 63000:2018
Seismic qualification	IEC/IEEE 60960-344 Edition 1.0, 2020, par. 6, 9
Mechanical resistance	EN 60068-2-6 ed. 2:2008

* PI - Primary insulation, DI - Double insulation

CONNECTION

ORDER CODE

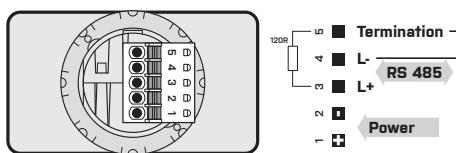
OMM 335RS

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Power supply	10...30 V AC/DC	0	<input type="checkbox"/>
	24 V AC/DC	2	<input type="checkbox"/>
Display color	red	1	<input type="checkbox"/>
	green	2	<input type="checkbox"/>

Specification **customized version, do not fill in**

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Basic configuration of the instrument is indicated in bold.