

Description

This 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.

Features

- 4-digit programmable projection
- Input: RS 485
- ASCII, MODBUS-RTU
- Size of DIN 51.5 x 29.5 mm
- Power supply 10 to 30V DC/24V AC

Specification

Projection

Display	: -999 to 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
Watch-dog	: Reset after 500 ms
Calibration	: At 25°C and 40 % r.h.

Power Supply

Range	: 24V DC/AC, $\pm 10\%$, PF $\geq 0,4$, $I_{STP} < 45\text{ A}/1.1\text{ ms}$ 10 to 30V DC/24V AC, $\pm 10\%$, PF $\geq 0,4$, $I_{STP} < 45\text{ A}/1.1\text{ ms}$, isolated
Consumption	: < 0.2 W/0.2 VA

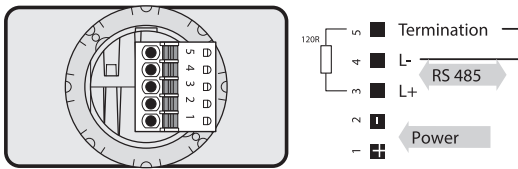
Mechanic Properties

Material	: PA66, incombustible UL 94 V-I
Dimensions	: 51.5 × 29.5 × 66 mm (w × h × d)
Panel cutout	: Ø 22.5 mm

Operating Conditions

Connection	: Connector terminal blocks, section < 1.3 mm ²
Stabilization period	: Within 5 minutes after switch-on
Working temperature	: -20°C to 60°C
Storage temperature	: -20°C to 85°C
Protection	: IP65 (front panel only)
El. safety	: EN 61010-1, A2
Dielectric strength	: 700V AC 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

Diagram



Part Number Table

Description	Part Number
4-Digit Data Display RS485, 10-30V DC, Red	MP-335RS-01
4-Digit Data Display RS485, 24V AC/DC, Red	MP-335RS-21

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.