

Maximum/Minimum Value Evaluator

AD-MMA 400 GVC

Description:

The maximum/minimum value evaluator AD-MMA 400 GVC acquires up to four input streams 0/4-20mA, compares them and makes the highest or deepest of these streams available 1:1 at the output. The highly linear and galvanically separated output signal (max. 20mA or 10V) is amplified thereby and can be used at the same time. The integrated power supply unit is galvanically separated from the input signal as well as also from the output signal.

The evaluator is programmed comfortably via PC or laptop. The relevant parameterization software AD-Studio and the programming interface cable are available as option.

Customer specific works settings are possible on request.

Application:

Acquisition of up to four input signals, comparison and output of the maximum or minimum value.



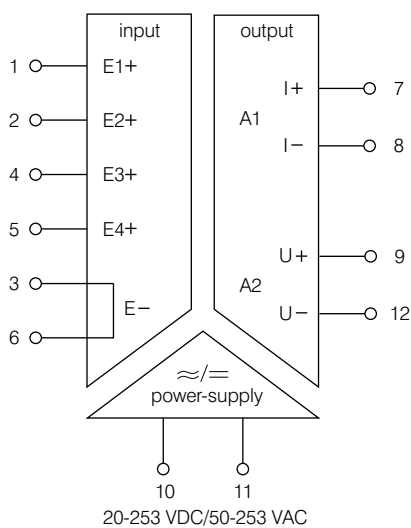
Specification

Construction	1-channel switchboard housing 18x110x128mm (WxHxD) with detachable terminal clamp
Power-supply	20-253 VDC or 50-253 VAC
Power-consumption	max. 1 W / 1,5 VA
Input ⁽¹⁾	current (max. $\pm 20\text{mA}$) or voltage (max. $\pm 10\text{V}$) max. 4 inputs
Input impedance	60 Ohm with current 1M Ohm with voltage
Output ⁽²⁾	current 0/4-20 mA and voltage 0-10 V
Output load	max. 500 Ohm with 20 mA min. 10 kOhm with 10 V
Linearity error	< 0,2 % of full scale
Ripple	< 0,1 %
Response time	< 100 ms
Ambient-temperature	0-50°C
Effect of temperature	± 100 ppm/K of full scale
Insulation test voltage	input/output 2,5 kV/1 min.) signal/power-supply 4 kV/1 min.)
Protective systems	against pulsed over-voltage, over-current and polarity reversal
EMC	
Product family standard	EN 61326
Emitted interference	EN 55011, CISPR11 Cl. B
Electrical safety requirements	
Product family standard	EN 61010-1

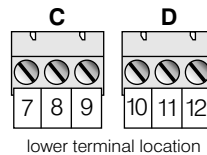
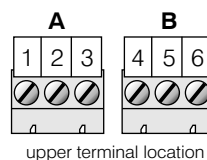
⁽¹⁾ Please state signal inputs when ordering. A galvanic coupling is to be excluded.

⁽²⁾ Signal outputs can be utilised together, must not have any galvanic connection.

Connections and dimensions: AD-MMA 400 GVC

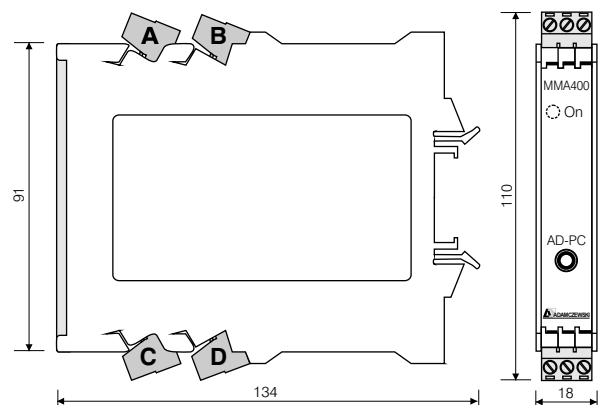


Terminal location



weight: ca. 140 g
 protection: IP 20
 manner of fastening:
 DIN rail 35mm (EN50022)

connection data:
 fine-wire: 2,5 mm²
 single-wire: 4,0 mm²
 max. voltage: 250 V~



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