

Minimum Evaluator

AD-MI 310 GS

Description:

The minimum evaluator AD-MI 310 GS acquires two input streams 0/4-20 mA, compares them and makes the lowest stream available 1:1 at the output. The highly linear and galvanically separated output signal is amplified thereby and can drive a load of up to 500 ohm. The integrated power supply unit is galvanically separated from the input signal as well as also from the output signal.

Application:

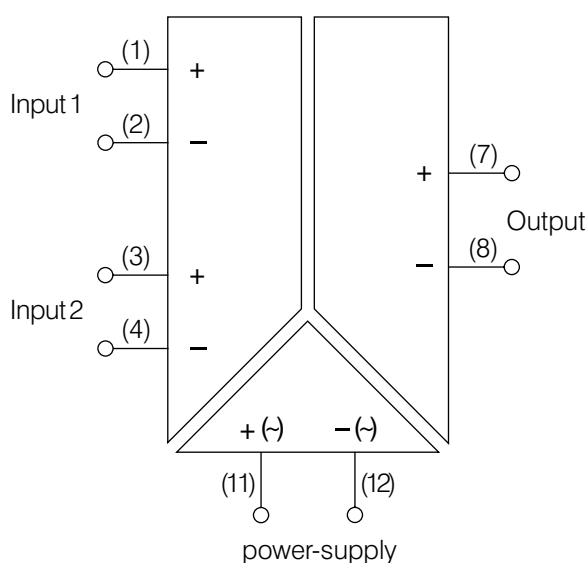
Acquisition of 2 input signals, comparison and output of the minimum value, e.g.: climate control (only the lowest temperature is noted).



Technical data:

Construction type:	1 channel switchboard housing
power supply:	ALLPOWER 20-253V AC/DC galvanically insulated
power consumption:	ca. 2,5VA resp. 2W
input:	two current signals 0/4-20mA
ATTENTION:	the input-signal must be galvanically insulated among each other
input burden:	max. 2V per input-channel (ca. 100 Ohm with 20mA)
output:	impressed current 0-20mA; 4-20mA 1:1 to the min. input value galvanically insulated
output burden:	max 800 Ohm with 20mA output signal
burden influence:	< 0,02% / 100 Ohm
linearity error:	< 0,1 %
influence of temperature:	< 15ppm/K
reaction time:	ca. 0,2 ms (10-90%)
insulation test voltage:	input/output: 500V RMS signal/power supply AC: 4 kV RMS signal/power supply DC: 2 kV RMS
Ambient temperature:	0 to 50°C

Connections and dimensions: AD-MI 310 GS



weight 130 g
 protection: IP 20
 manner of fastening:
 attachment rail: NS35/7,5

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

Printed 08/2006. We reserve the right for technical changes



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