Universal Amplifier UA-28

CE

- Galvanically isolated input/output and supply.
- 2 kV Isolation voltage.
- µP-based 12-bits A/D- och D/A-converter.
- Digital input/output.
- Supply voltage 24, 115, 230 VAC, 24 VDC.
- Standard 11-pole relay socket.

Range of applications:
Linearization of analogue signals. Analogue/frequency conversion for instance for flow summation. Frequency/Analogue conversion for instance for revolution counting. Frequency counting down or multiplication. Client specified functions.

Technical characteristics:

Input current:	0/4-20 mA
Input resistance:	30 ohms
Input voltage:	0-10 V
Input resistance:	Approx. 10 Mohms
Output signal current:	0/4-20 mA
Load:	Max. 600 ohms
Output signal voltage:	0-10 V
Load:	Min. 600 ohms
Input frequency::	0-20 kHz, client specified
Ingångsmotstånd:	20 kohms
Output frequency:	0-1 kHz, client specified
Output current:	Max. 100 mA
Output supply:	Max. 30 VDC
Pulse width:	>0,1 msecs, client specified

Zero point and range are software calibrated.
The converters are delivered with in- and outputs calibrated according to client specifications.
A LED in the front of the cassett indicates an In/Out-function.

Electrical specifications:

Supply voltage AC:	24, 115, 230 V ± 10 %, 50-60 Hz, Approx. 4 VA
Supply voltage DC:	24 VDC ± 15 %, 70 mA
Non-linearity:	0,1 % FS
Temperaturdrift:	0,01 % FS/ °C
Max, non-accuracy:	0,5 %
Isolation voltage:	2 kV DC
Voltage output:	+ 15 VDC ± 5 %, max 20 mA
EMC-data:	EN50 081, emission, EN50 082, immunity
Ambient temperature:	-20 to +50 °C

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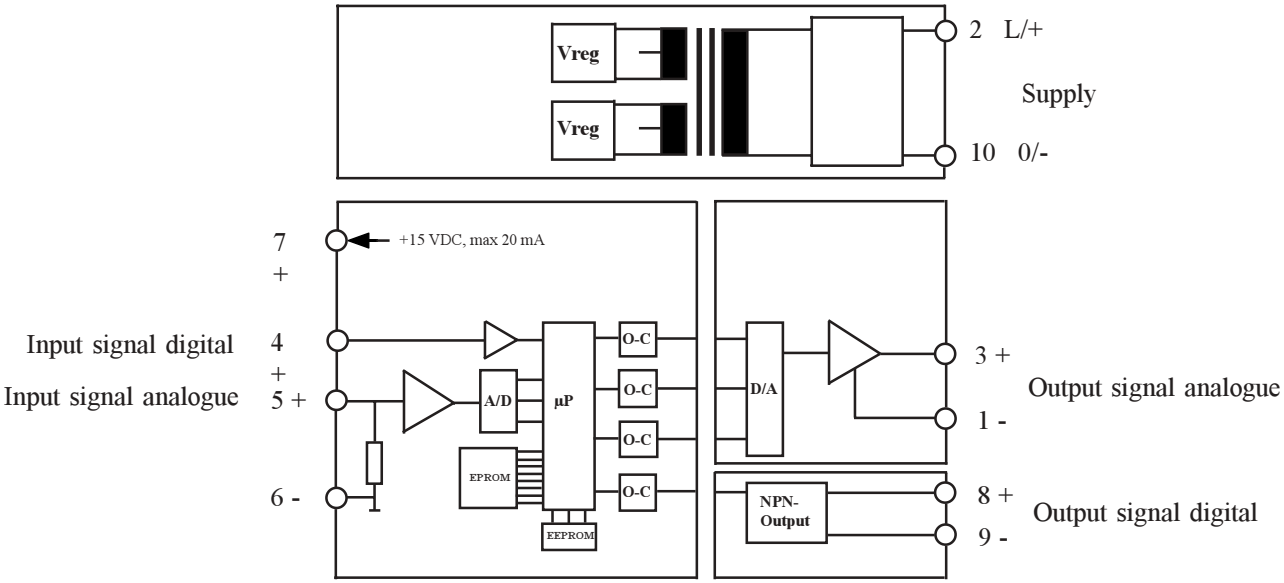
Order: UA-28 - Input signal - Output signal - Supply

Input signal:	Output signal:	Supply:
0-20 mA -020	0-20 mA -020	24 VDC -724
4-20 mA -420	4-20 mA -420	24 VAC -024
0-10 VDC -010	0-10 VDC -010	115 VAC -115
Frequency: -f	Frequency: -f	230 VAC -230
Pulse/minute: -p/m	Pulse/minute: -p/m	
Pulse/hour: -p/h	Pulse/hour: -p/h	

Block diagram:



LED indication:

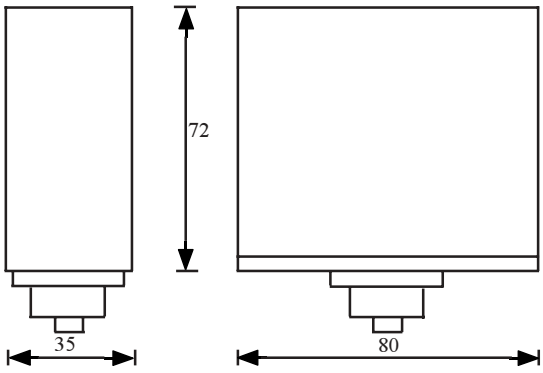
At I/f-transformation the LED is lit at active output.

At f/I-transformation the LED is lit at active input.

At f/f-transformation the LED is lit at active output.

At I/I-transformation the LED is lit when there is an input signal within the indicated range.

Mechanical Specifications:



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