

Programmable analogue signal converter

- 3-way galvanic separation
- 14 programmable input ranges
- 3 programmable output ranges
- Simplified programming

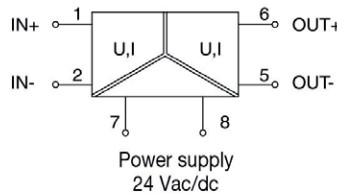


NOTES

Depth measurements include terminal block and rail clamp clearance.

settable using a rotary switch
settable using a DIP-switch
range 16.8...30 Vdc / 19.2...28.8 Vac
3-way, IN/OUT/power supply
Version made to order (not kept in stock); contact our sales office for availability.

BLOCK DIAGRAM



VERSIONS

Cat. No. X756516

CWUAA 6-0516

APPLICATIONS

Converts and galvanically isolates the main standardised analogue signals; input programmable with 14 signal ranges and output with the three most used standardised signals. Configuration is obtained by setting the DIP-switches on the side.

This module offers multiple in/out signal combinations, allowing for significant savings in terms of costs, time and storage space and in the management of spare parts.

3-way galvanic separation ensures total isolation between input, output and power supply which, together with automatic signal calibration, ensures excellent precision without the need for calibration.

Where multiple output channels are needed for a single signal source, multiple converters may be used connecting the signal inputs in parallel, in the case of voltage signals, or in series, in the case of current signals.

INPUT TECHNICAL DATA

Input signal (1)

0..60 / 0..100 / 0..300 / 0..500 mV
0...1 / 0...10 / 0...20 / 2...20 V
0...5 / 0...10 / 0...20 / 4...20 / ± 5 / ± 20 mA
330 k Ω with voltage input
100 k Ω with current input

Input resistance

OUTPUT TECHNICAL DATA

Output signal (2)

0...10 V
0...20 / 4...20 mA
>1 k Ω with voltage output
<400 Ω with current output

Applicable load

GENERAL TECHNICAL DATA

Power supply voltage

24 Vac/dc (3)

Power consumption

≤ 35 mA $\pm 10\%$ at 24 Vdc

Accuracy

0.1% at 23°C FS

Conversion frequency

< 30 Hz

Temperature coefficient

0.02% / K FS

Isolation

1.5 kVac / 60 s (5)

EMC standards

EN 50081-2, EN 50082-2

Reference Standards

IEC 664-1, DIN VDE

Overvoltage category / Pollution degree

III / 2

Protection degree

IP 20 IEC 529, EN60529

Operating temperature range

-25...+60°C

Connection type

2.5 mm² fixed screw terminal blocks

Housing material

UL94V-0 Noryl

Approximate weight

65 g

Mounting information

vertical on rails, side by side

MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5

PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB

Mounting rail type according to IEC60715/G32

Jumper

red

(16 poles, 16 A)

white

blue