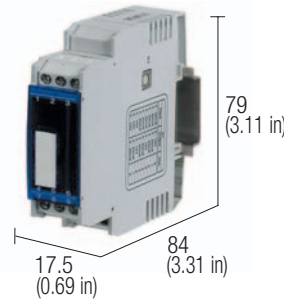
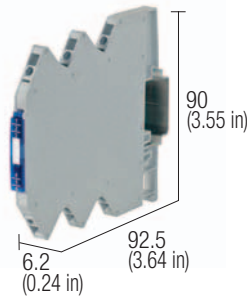


# Programmable analog signal converters

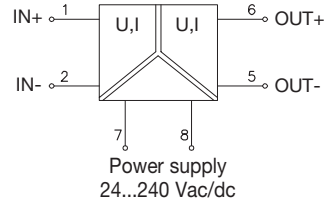
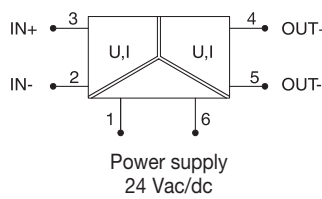
- 1.5 KV, 3 ways, IN/OUT/supply voltage isolation
- 3 programmable input range
- 3 programmable output range
- Simple programming and self calibrating
- Available version with 24-240 Vac/dc supply voltage



## NOTES

The dimensions include the DIN clamp.  
 (1) range 16.8...30 Vdc / 19.2...28.8 Vac  
 (2) range 16.8...264 Vdc / 19.2...264 Vac  
 (3) 3-way isolation: IN/OUT/power supply

## BLOCK DIAGRAM



## VERSIONS

**24 Vac/dc supply voltage**  
**24-240 Vac/dc supply voltage**

**Cat. No. X756539**

**Cat. No. X756510**

**CWNAA-7-0539**

**CWNAA-6-0510**

## INPUT TECHNICAL DATA

Input signal

Input resistance

**0...10 V**

**0...20 / 4...20 mA**

330 K $\Omega$  with input voltage  
 100  $\Omega$  with input current

**0...10 V**

**0...20 / 4...20 mA**

330 K $\Omega$  with input voltage  
 100  $\Omega$  with input current

## OUTPUT TECHNICAL DATA

Output signal

Applicable load

**0...10 V**

**0...20 / 4...20 mA**

>1 K $\Omega$  with output voltage  
 <400  $\Omega$  with output current

**0...10 V**

**0...20 / 4...20 mA**

>1 K $\Omega$  with output voltage  
 <400  $\Omega$  with output current

## GENERAL TECHNICAL DATA

Supply voltage

Rated current

Accuracy

Transmission frequency

Temperature coefficient

Isolation

ECM standards

Reference Standard

Oversvoltage category/Pollution degree

Protection degree

Operating temperature range

Connection terminal

Housing material

Approx. weight

Mounting information

**24 Vac/dc** (1)

$\leq 35$  mA  $\pm 10\%$  @ 24 Vdc

0.1% @ 23°C FS

< 30 Hz

0.02% / K FS

1.5 kVac / 60 s (3)

EN 61000-6-2, EN 61000-6-4

IEC 664-1, DIN VDE

III / 2

IP 20 IEC 529, EN60529

-25...+60°C

2.5 mm<sup>2</sup> fixed screw type

Noryl UL94V-0

40 g (1.41 oz)

vertical on rail adjacent without gap

**24-240 Vac/dc** (2)

$\leq 35$  mA  $\pm 10\%$  @ 24 Vdc

0.1% @ 23°C FS

< 30 Hz

0.02% / K FS

4 kVac / 60 s (3)

EN 50081-2, EN 50082-2

IEC 664-1, DIN VDE

III / 2

IP 20 IEC 529, EN60529

-25...+60°C

2.5 mm<sup>2</sup> fixed screw type

Noryl UL94V-0

75 g (2.65 oz)

vertical on rail adjacent without gap

## APPLICATIONS

Multi-function converters can be used to convert and isolate the most common standard analog signals; the input and the output can be set up into 3 different signal ranges. The set up is possible by simply switching the position of a dip switch on the side of the module.

The input / output combinations offered by these modules provide the most common input/output configurations more economically when compared to 14 input / 3 output modules and reduces inventory.

If a single signal must provide several output channels it is possible to use many modules connecting their inputs in parallel as long as the signal is voltage, or in series when signal is current.

## MOUNTING ACCESSORIES

Mounting rail type according to IEC60715/TH35-7.5

Mounting rail type according to IEC60715/G32

Plug-in jumper

(16 poles, 16 A)

red

white

blue

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

CWBK 7-0802 Cat. No. X766802

CWBK 7-0803 Cat. No. X766803

CWBK 7-0804 Cat. No. X766804