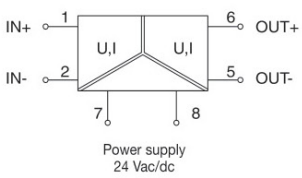
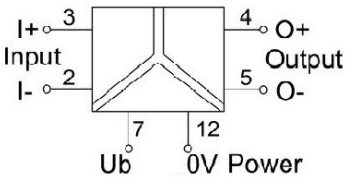
Universal Signal Conditioner, Programmable
XCONAA516P

Your Source for Automation Components

- **Input: 14 selectable ranges**
- **Output: 3 selectable ranges**
- **Insulation: 1.5 kVac, 3-way isolation**

NOTE
(1) New model, available starting from November 2020





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.
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.

CODE	X756516	XCONAA516P
TYPE	CWUAA 6-0516	CON-AA-516P (1)
INPUT TECHNICAL DATA		
Signal type IN	analogue	analogue
Input range IN	14 programmable ranges (see tab. 1)	14 programmable ranges (see tab. 1)
Maximum voltage current signal IN	—	—
Input impedance IN	330 kΩ (voltage input) / 100 Ω (current input)	330 kΩ (voltage input) / 100 Ω (current input)
Parametrization IN	DIP switch	DIP switch
OUTPUT TECHNICAL DATA		
Signal type OUT	analogue	analogue
Output range OUT	0...10 V / 0...20 mA / 4...20 mA	0...10 V / 0...20 mA / 4...20 mA
Maximum output signal OUT	21 mA (voltage input)	16 V (voltage output) / 5 mA (current output)
Load impedance OUT	>1 kΩ (voltage output) / <400 Ω (current output)	2 KΩ (voltage output) / 400 Ω (current output)
Ripple OUT	<5 mV	<20 mV
Status indication OUT	LED	LED
Parametrization OUT	DIP switch	DIP switch
GENERAL TECHNICAL DATA		
Power supply voltage	24 Vac/dc (16.8...30 Vdc / 19.2...28.8 Vac)	24 Vac/dc (19.2...26.4 Vdc / 19.2...26.4 Vac)
Current consumption	35 mA	—
Accuracy	0.1% FSR (23°C)	0.1% FSR (23°C)
Linearity error	0.02%	0.05% FSR
Temperature coefficient	<150 ppm / K FSR	<150 ppm / K FSR
Setting time	—	—
Transmission frequency	30 Hz	30 Hz 3dB
Resolution	—	—
Rise time	10 ms	6 ms
Operating temperature range	-25...+60°C	-25...+60°C
Insulation	1.5 kVac / 60 s	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT1 / power)	3-way (IN / OUT1 / power)
Standard approvals	—	EN 60947-5-1
EMC Standards	—	—
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN / OUT	2.5 mm² / 2.5 mm² (screw)	2.5 mm² / 2.5 mm² (push-in)
Housing material	UL94V-0 plastic material	UL94V-0 plastic material
Dimensions	17.5x79x84 mm	17.5x93x73 mm
Approximate weight	70 g	60 g
Mounting informations	on a rail, side by side	on a rail, side by side
APPROVALS	CE cULus	CE cULus
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	TAP207A_	—

Tab. 1 - Input ranges

0...60 / 0...100 / 0...300 / 0...500 mV
0...1 / 0...2 / 0...5 / 0...10 / 0...20 / 2...20 V
0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA