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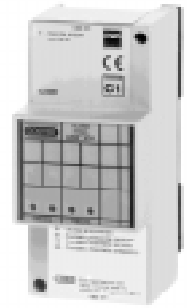
01.03.00

CONVERTOR OF 0…10 V– SIGNAL INTO TWO ON - OFF IN SEQUENCE

CSV 304 C1 Eng.

DISCONTINUED PRODUCT

TO SEE A SUITABLE REPLACEMENT PRODUCT



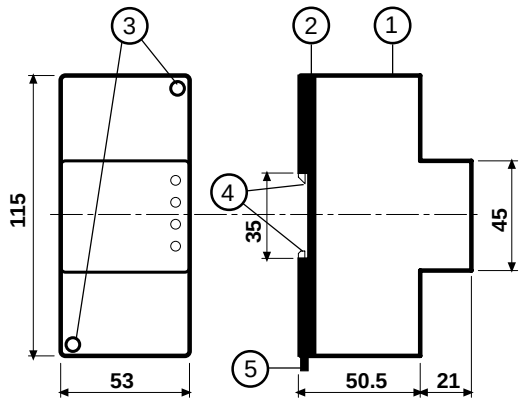
- **One 0…10 V – progressive input**
- **Two On-Off outputs in sequence**
- **Power supply 24 V~**
- **DIN rail compatible.**

CE

1. APPLICATION

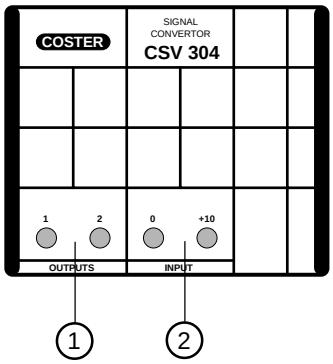
Converting a progressive 0…10 V – signal into two On-Off signals in sequence.

2. OVERALL DIMENSIONS



1 – Protective cover for electronic components
2 – Base with transformer, relay & terminal blocks
3 – Cover/base fixing screws
4 – DIN rail securing elements
5 – DIN rail release lever

3.FACIA



1 - On-Off outputs in sequence LEDs
2 - 0…10 V – input LEDs

4. TECHNICAL DATA

Power supply	24 V ~ ± 10%
Frequency	50…60 Hz
Consumption	3 VA
Protection	IP40
Radio disturbances	VDE0875/0871
Vibration test	with 2g (DIN 40 046)
Construction standards	Italian Electrotech. Comm. (CEI)
Case	DIN 3E module
Mounting	on DIN 35 rail

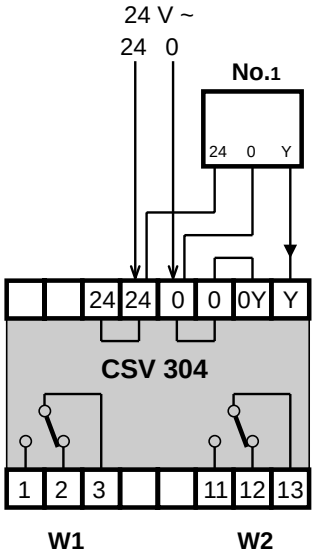
Materials:	
base	NYLON
cover	ABS
Ambient temperature:	
operation	0…45 °C
storage	– 25…+ 60 °C
Ambient humidity	class F DIN 40040
Weight	0.31 kg
Input signal	progressive 0…10 V –
Output signals	two On-Off in sequence

5.INSTALLATION

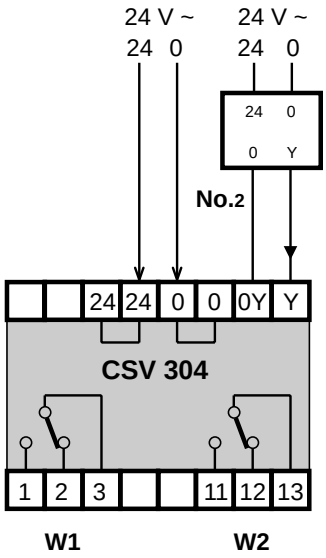
CSV 304 must be sited in a dry space which meets the relevant ambiental limits given under 4.TECHNICAL DATA.
If sited in a space classified as “Dangerous”, it must be installed in a cabinet for electrical devices constructed according to the regulations in force for the danger class concerned.
It can be installed on a DIN rail or in a DIN modular enclosure.

6. WIRING DIAGRAMS

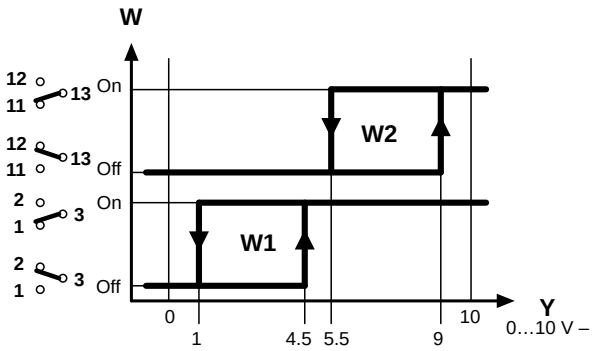
6.1 Incoming signal from controller with power supply in parallel to CSV 304



6.2 Incoming signal from controller with separate power supply



N.1 – Controller with parallel power supply (as alternative to No. 2) with jumper 0-0Y.
N.2 – Controller with separate power supply (as alternative to No. 1) without jumper 0-0Y.
W1 – Output On-Off 1st stage.
W2 – Output On-Off 2nd stage.



7. WIRING UP

Proceed as follows:
- Separate base and cover
- Mount base on DIN rail and check that securing elements (2.4) keep it firmly in place.
- Carry out wiring according to the diagram and in observance of the regulations in force, using the following cable types:
  – 1.5 mm² for power supply
  – 1 mm² for input and output signals
- Switch on power (24 V~) and check voltage across terminals 24 and 0.
- Switch off power, replace cover on base and secure it with the screws supplied (2.3).

It is advisable not to insert more than two cables in a single terminal of the convertor and , if necessary, to use external junction boxes.

8. OPERATION

CSV 304 converts *a 0...10 V– progressive signal* coming from a controller :
– with 24 V~ power supply parallel to CSV 304 (with jumper 0Y - Y).
or
– with independent 24 V~ power supply (without 0Y - Y jumper).
Into two On-Off signals W1 and W2 in sequence .

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