

Impulse Divider

AD-IU 114 GA

Description

With the impulse scaler the impulses, which are present as contact, NAMUR (according to DIN-EN 60947-5-6) or voltage impulse (8-24V), can be divided by whole number factor. The required scaling is freely adjustable from 1:1 to 9999:1.

2 potential-free change-over contacts are available at the output, the output impulse length is freely adjustable in 10 steps. Input and output impulses are displayed at the front with LEDs.(9)

Application

Reducing the counting speed at the counter through scaling, such as 10:1 or 100:1 or other values.

Release of control impulses according to a preselected number of impulses.

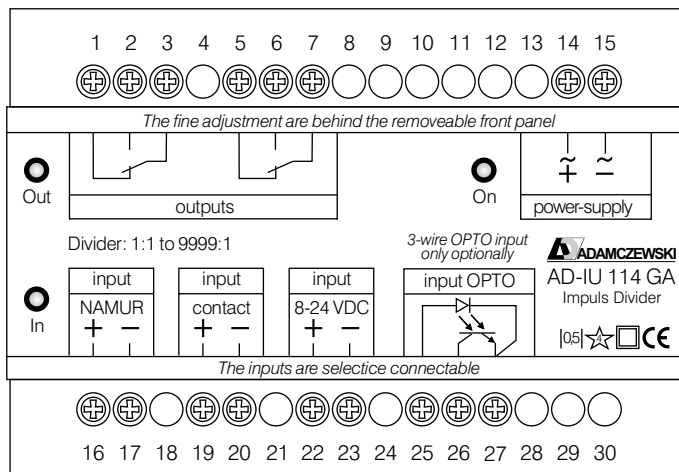


Specification

Construction type:	surface housing "GA" bxhxd 100x74x119 mm
Power supply:	230 V +/- 10% 50-60 Hz alternativ 20-30 V DC others on request
Power consumption:	ca. 5 VA resp. 6 W
Input:	Contact or Initiator from Namur (acc. to DIN-EN 60947-5-6) or active voltage 8...24V DC optionally: 3-wire OPTO
Input contact time:	2 ms (default), others on request max. 200 Hz (default), to 50 kHz possible
Output:	2 relay, changer max. 250V AC, 8A, 100VA optionally: 2 open-collector with internal pull-up-resistors max.30V/50mA
Output pulse width:	0,14 to 3,2 s, in 10 levels adjustable
Insulation test voltage:	input/output: 4 kV RMS signal/power-supply 4 kV RMS AC 2 kV RMS DC
CE-conformity:	EN 50081-2, EN 50082-2
Operating temperature:	0...50°C

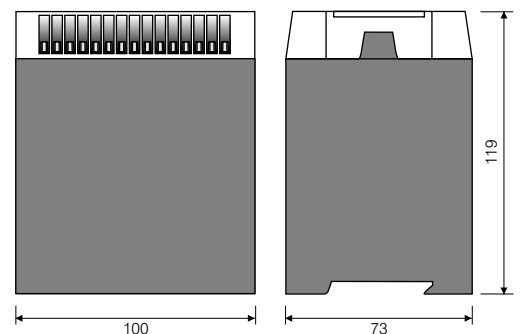
(*) = values must be advised by order!

Connections and dimensions AD-IU 114 GA



weight: ca. 350 g
protection: IP 20
manner of fastening:
DIN rail 35mm (EN50022)

connection data:
fine-wire: 2,5 mm²
single-wire: 4,0 mm²
max. voltage: 250 V~



Output pulse-rise time:

0 = 3,2 sec	5 = 0,4 sec
1 = 1,2 sec	6 = 0,35 sec
2 = 0,9 sec	7 = 0,3 sec
3 = 0,6 sec	8 = 0,15 sec
4 = 0,5 sec	9 = 0,14 sec

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