

Impulse summator

AD-IS 102 GA
AD-IS 104 GA
AD-IS 108 GA

Description:

The impulse summator adds the arriving impulses at up to 8 inputs and emits sum proportional impulses. The input impulses can arrive in any sequence and also at the same time. Each input as well as the output can be evaluated as required (*). This means that different quantity impulses can also be added without problems. The inputs and outputs as well as the power pack are galvanic separated and equipped with protective switching.

Application:

Adding of through-flow quantities, which are available as impulses. Impulse valencies can be considered here (*), as function modules with counting switching, metering technology and others.



Technical data:

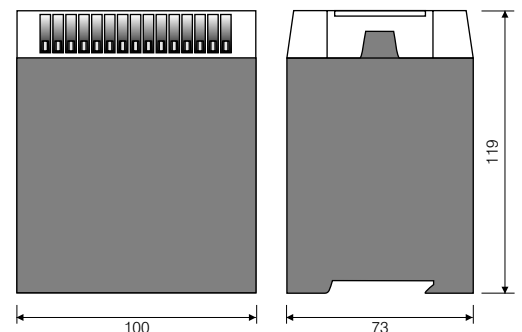
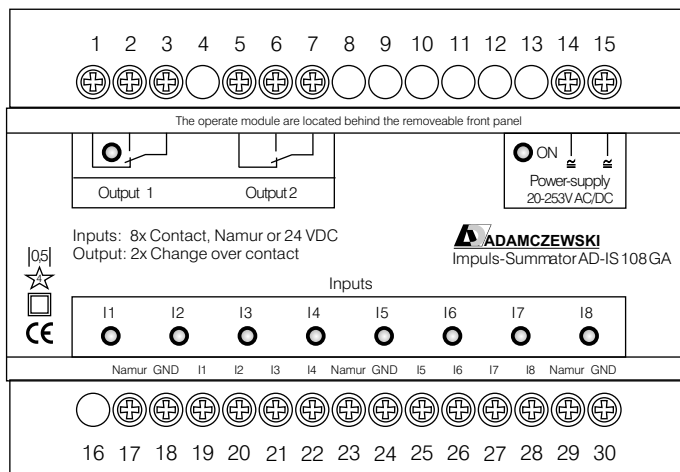
power supply: ALLPOWER 20...253V AC/DC
power consumption: ca. 4,6 VA resp. 2,4 W
input: (*), contact or NAMUR-signal or 24V-signal also mixed
AD-IS 102 GA: max. 2 inputs
AD-IS 104 GA: max. 4 inputs
AD-IS 108 GA: max. 8 inputs
each input separate programmable(*)
input contact duration: min. 20 ms
input contact load: max: 8 V, 8 mA
max. input frequency: 10Hz
output(*): 2 potential-free change over contact or 2 open collector (optionally) output impulse programmable (*)
pulse selectable (0,01-10sec.)
output contact duration: Relays: 250 V, 50Hz/2A/100VA
output contact load: load life mech.: 2x10 E8
transistor: 30V / 50mA
protective system: power pack: against over voltage, over temperature and overload
input: against transient
ambient temperature: 0 - +50°C
accessories: software for programming over PC on request

(*) Values must be defined by order

Connections and dimensions: AD-IS 102/104/108 GA

weight 400 g
protection: IP 20
manner of fastening:
attachment rail: NS35/7,5

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



Printed 08/2006. We reserve the right for technical changes

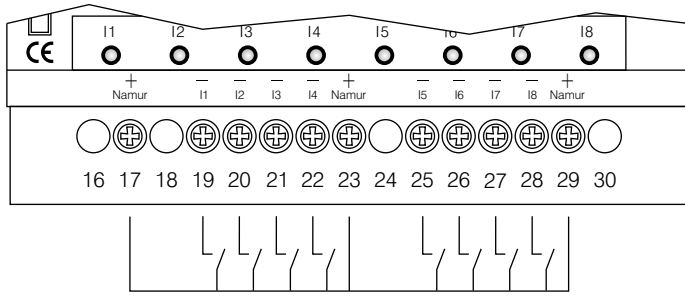


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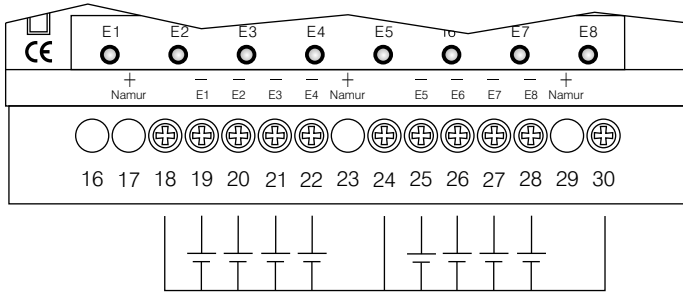
Connection and dimension: AD-IS 102 GA / IS 104 GA / IS 108 GA



NAMUR input:

pins: E1 - E8 = minus
pins: 17/23/29 = plus

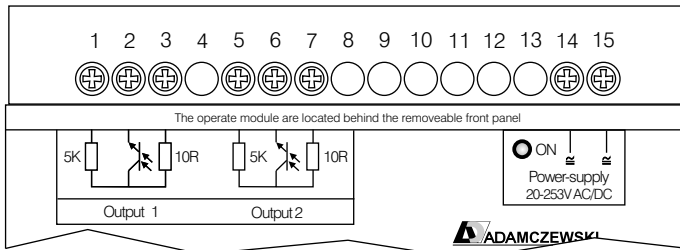
Connection and dimension: AD-IS 102 GA / IS 104 GA / IS 108 GA



input voltage level (24 VDC):

pins: E1 - E8 = plus
pins: 18/24/30 = minus

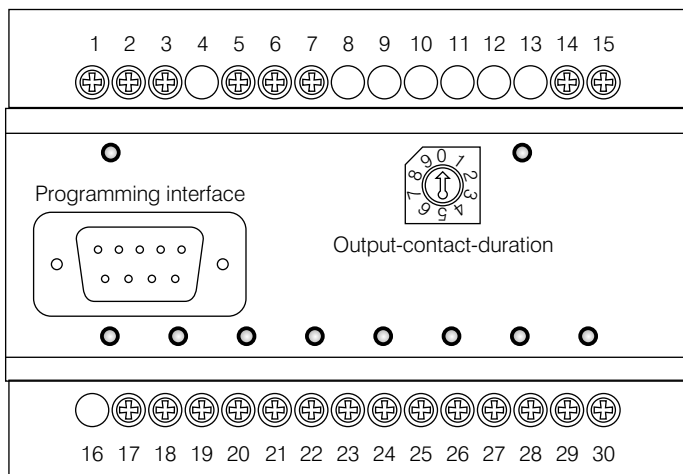
Connection and dimension: AD-IS 102 GA / IS 104 GA / IS 108 GA



OPTIONALLY:

open-collector output
max 30V, 50mA

Connection and dimension: AD-IS 102 GA / IS 104 GA / IS 108 GA



Operate module located behind the removeable front panel:

output contact duration:
position 0: > 10ms (only open-collector)
position 1: 50ms
position 2: 100ms
position 3: 200ms
position 4: 500ms
position 5: 1 sec.
position 6: 2 sec.
position 7: 3 sec.
position 8: 10 sec.
position 9: test mode (1Hz)



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