S112D-1-ST
DOUBLE AMPLIFER FOR ON/OFF SENSORS
UNIVERSAL INPUT, RELAYS OUTPUTS

The S112D-1-ST complies the electromagnetic compatibility prescriptions based on the 89/366/EEC directive.

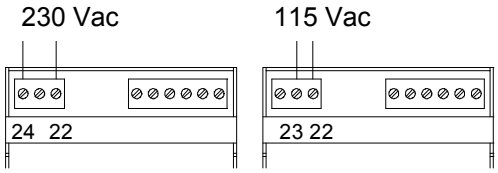
CE Reference norms: EN 50081-2 Industry environment emission norm
EN 50082-2 Industry environment immunity norm

S112D-1-ST is an amplifer for on/off sensors with the following features:

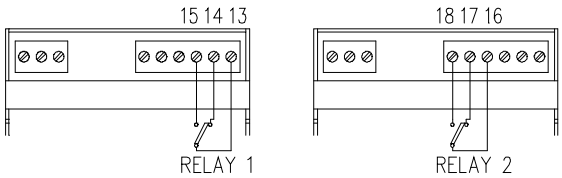
- **Inputs** : optocoupled to receive signals from sensors: reed (contact), NPN two wires, NPN three wires 24Vdc and 12Vdc, PNP two wires, PNP three wires 24Vdc, Namur sensor 8Vdc supply, photoelectric sensor. Max. ferquency 400 Hz, min. pulse duration 2 ms.
- **Outputs** : two relays with one contact SPDT 5A 250V (on resistive load). Relay duration 10.000.000 operations.
- **Warnings** : Green LED "RETE" : device on; Red LED "RELE' 1" : pulse output 1; Red LED "RELE' 2" : pulse output 2.
- **Temperature** : -20° / +60° C.
- **Humidity** : 40 % at 40° C (not condensing).
- **Box** : 4 modules DIN 46277, in gray autoextinguishing noryl, good to be coupled on 35 mm bar.
- **Size** : 70 x 90 x 73 mm.
- **Weight** : 270 g approx.
- **Power Supply** : 115 / 230 Vac ± 10 % 50 / 60 Hz
- **Consumption** : 1,5 VA.

CONNECTIONS

POWER SUPPLY

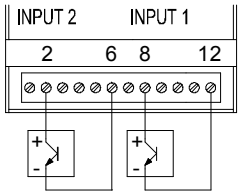


OUTPUTS

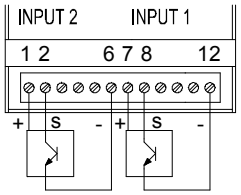


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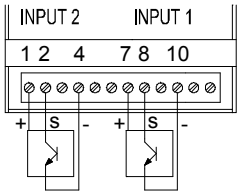
INPUTS



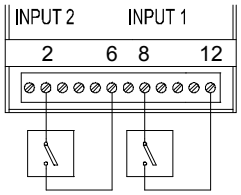
NPN (2 wires)



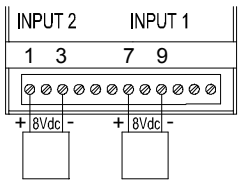
NPN (3 wires) 24Vdc



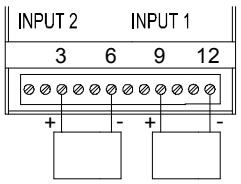
NPN (3 wires) 12Vdc



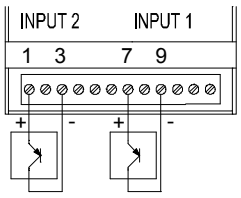
CONTACT (REED)



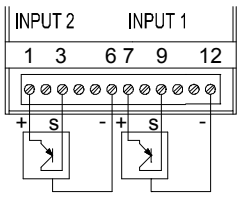
NAMUR



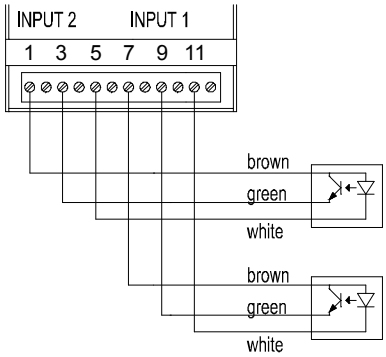
PULSES 24Vdc



PNP (2 wires)



PNP (3 wires) 24Vdc



PHOTOELECTRIC

SPECIFIC SENSORS
Flow meters Hall effect “AICHI” type use connection “NPN (3 wires) 12V”.
RELAY 1 :

- Type OF	Red --> 7	White --> 8	Black --> 10
- Type ND	Red --> 7	White+Blue --> 8	Black --> 10

RELAY 2 :

- Type OF	Red --> 1	White --> 2	Black --> 4
- Type ND	Red --> 1	White+Blue --> 2	Black --> 4

Counters with PHOTOELECTRIC pulse emitter
RELAY 1 :

-	Brown --> 7	Green --> 9	White --> 11

RELAY 2 :

-	Brown --> 1	Green --> 3	White --> 5

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