

## PROGRAMMABLE POWER SUPPLY - AMPLIFIER

Our programmable power supply can be used with all NAMUR, NPN and PNP sensors and contain a relay with ON or OFF delay function. The programmable time scale ranges from 0.03 seconds to 12 minutes.

This is not a safety device and is not intended for safety applications.



### PROGRAMMABLE FUNCTIONS

**1) DELAY:** The delay range is from 0.03 seconds to 512 seconds (see table A) and is divided into nine standard scales selected via front mounted dip switches. The selected scale can be adjusted by means of a potentiometer. It is possible to sum two scales to obtain different scales. This is obtained by placing the switch with the chosen values in the ON position. (Example: switches 1 and 2 ON correspond to a full scale of 640 seconds).

**2) TYPE OF FUNCTION AND SENSOR:** Dipswitches 10, 11 & 12 are used simultaneously to program the function and type of sensor. The relay can be programmed to be ON or OFF with an on delay (TE) or off delay (TD) function while using NAMUR, NPN or PNP sensors.

### SPECIFICATIONS

Power supply: 110/220VAC 50-60Hz  $\pm$  15% or 24VDC/AC  
 Power drain: 3VA  
 Output Voltage: 12VDC  
 Max output current: 50mA  
 Relay: 5A 220VAC  
 Temperature range: -20 to + 60° C  
 Degree of protection: IP 40  
 Range of delay: 0.03 sec-12 min  
 Mounting: DIN rail

### DIMENSIONS (mm)

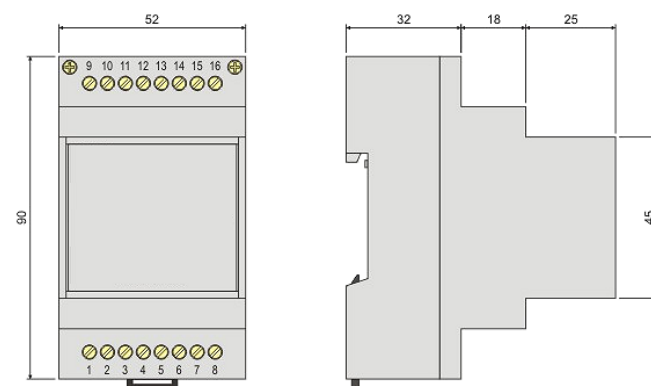


Table A

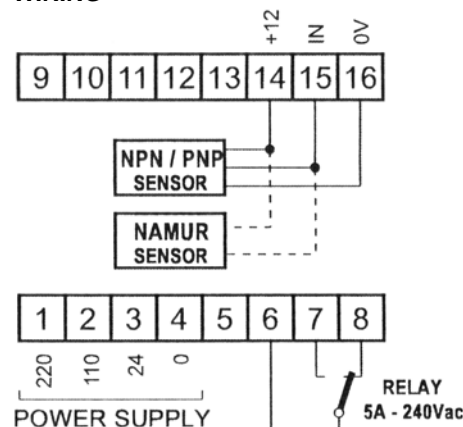
SWITCH POSITION	RANGE OF DELAY (in seconds)
1	25.6 - 512
2	6.4 - 128
3	1.6 - 32
4	0.8 - 16
5	0.4 - 8
6	0.2 - 4
7	0.1 - 2
8	0.05 - 1
9	0.03 - 0.5

Table B

RELAY	FUNCTION		DIP 10	DIP 11	DIP 12
OFF	PNP	TE	OFF	OFF	ON
	PNP	TD	ON	OFF	OFF
	NPN	TE	ON	ON	ON
	NPN	TD	OFF	ON	OFF
	NAMUR	TE	ON	OFF	ON
	NAMUR	TD	OFF	OFF	OFF
ON	PNP	TE	OFF	OFF	OFF
	PNP	TD	ON	OFF	ON
	NPN	TE	OFF	ON	ON
	NPN	TD	ON	ON	OFF
	NAMUR	TE	OFF	OFF	ON
	NAMUR	TD	ON	OFF	OFF

On delay (TE) or off delay (TD)

### WIRING



### HOW TO ORDER

Model	Description
S3424D	ALTP 24VDC/AC
S3425D	ALTP 110/220VAC

## Controls

### POWER SUPPLIES - AMPLIFIERS with relay output.

These units are used to supply 12VDC voltage to our inductive, capacitive and photoelectric sensors and contain 5A 220VAC output relays that are activated by the sensors. The ALNC type has one relay and can be used with all NAMUR, NPN and PNP sensors. The ALN2 type has two relays that allow for the use of two NAMUR sensors. They are housed in a plastic enclosure and mount to a DIN rail.

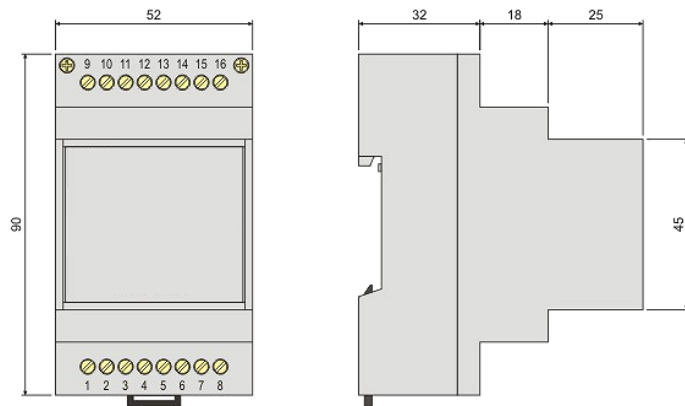
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#### SPECIFICATIONS

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 Power drain: 3VA  
 Output voltage: 12 VDC  
 Max output current: 50 mA  
 Temperature range: -20 to + 60°C  
 Degree of protection: IP 40  
 Relays: 5A 220VAC  
 LED: Yes  
 Mounting: DIN rail

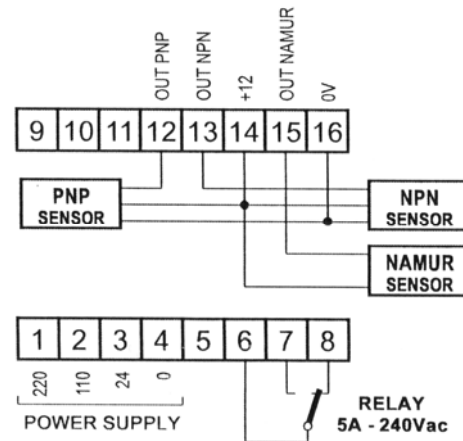
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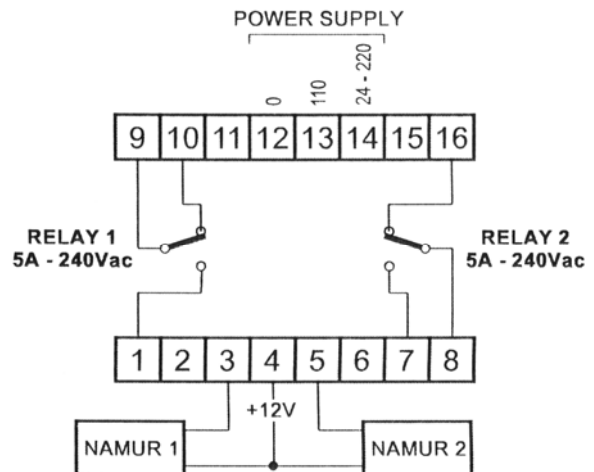
#### HOW TO ORDER:

Model	Description
S3420D	ALNC 24VDC/AC (1 NAMUR or 1 standard Sensor)
S3421D	ALNC 110/220VAC (1 NAMUR or 1 standard Sensor)
S3422D	ALN2 24VAC/DC (2 NAMUR sensors)
S3423D	ALN2 110/220VAC (2 NAMUR sensors)

#### WIRING ALNC



#### WIRING ALN2



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 Mounting: DIN rail

### DIMENSIONS (mm)

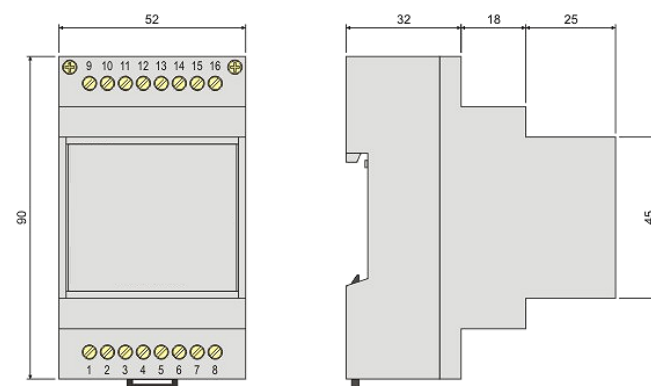


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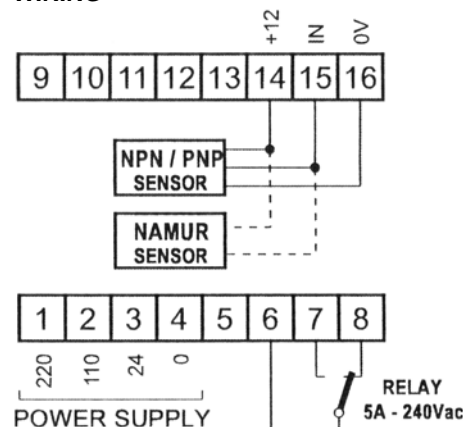
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	PNP	TD	ON	OFF	ON
	NPN	TE	OFF	ON	ON
	NPN	TD	ON	ON	OFF
	NAMUR	TE	OFF	OFF	ON
	NAMUR	TD	ON	OFF	OFF

On delay (TE) or off delay (TD)

### WIRING



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S3425D	ALTP 110/220VAC