DISIBEINT

SNNA

LEVEL CONTROL WITH 5 ALARMS

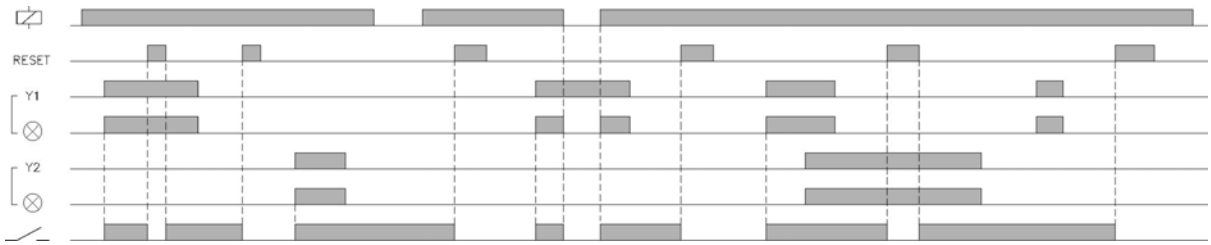
Function	Level control with 5 alarms.
Operating principle	The relay operates when the liquid reaches the electrodes (Y1···Y5) and the lamp related to the activated channel lites. The relay releases by pressing the reset push-button. If while the liquid is in contact with whichever electrode the reset push-button is pressed the relay releases, and operates again when the reset push-button is relieved. If while the liquid is in contact with whichever electrode the supply voltage gets off the relay releases and the related lamp lites off, and it operates and the lamp lites again when the supply voltage gets on. If two or more channels are simultaneously activated, the relay do not release completely when pressing the reset push-button until all the channels are deactivated.
Sensitivity	Adjustable from 10..100KΩ
Voltage in probes	V_{PEAK} = 6 VCA 85Hz (in shortcircuit)
Current in probes	0,155mA (in shortcircuit)
Probes connection cables	Usually 1..2,5 mm² section cables are used, with good insulation and without shielding. In some installations (when the supply and probe lines are parallel in the same tube and with long distances) shielded cable is recommended. The resistance between cables and ground must be at least 200KΩ. The screen is connected to terminal Z1, which is the one corresponding to earth. If the tank is not conductive, an additional probe must be fitted for connecting the ground, terminal Z1.
Probes cable length	< 100 m
Reset	Both built-in and remote (Z1-P1)

Reference

HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE	
S	Flush mounting	**NN**	Level control with 5 alarms	**A**	SPDT	**U24**	24 VAC/VDC	**100**	10..100KΩ
						724	24 VDC		
						024	24 VAC		
						110	110..125 VAC		
						230	220..230 VAC		
						400	380..415 VAC		

To compose the reference, select one option of each column. Example **SNNA 230 100**

Operating diagram



Connecting diagram

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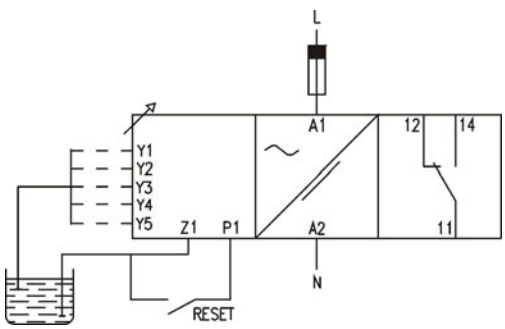
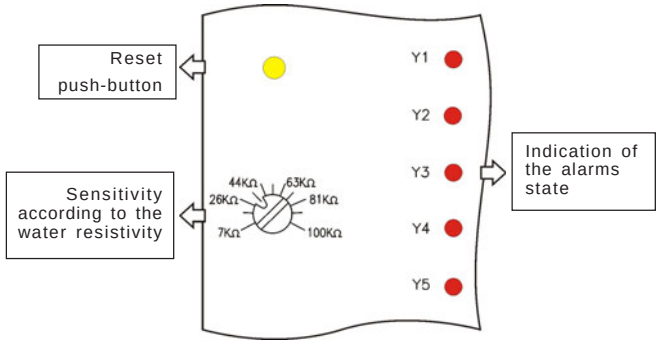
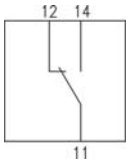


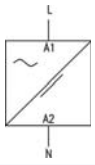
Adjustment buttons



Output relays

		SNNA
		
Resistive load	AC	8 A / 250 V
	DC	0,25 A / 200 V 8 A / 24 V
Inductive load	AC	2,5 A / 250 V
	DC	4 A / 24 V
Mechanical life		> 30 x 10^6 operations
Max. switching rate, mech.		72.000 operations / hour
Electrical life at full load		360 operations / hour
Contact material		AgNi 90/10
Maximum voltage		440 VAC
Operating voltage		250 VAC
Volt. between changeovers		2500 VAC
Voltage between contacts		1000 VAC
Voltage coil/contact		5000 VAC
Distance coil/contact		10 mm
Isolation resistance		> 10^4 MΩ

Supply

	AC SNNA
	
Galvanic isolation	Yes
Frequency	50 / 60 Hz
Operating margins	±10..-15%
Positive	-
Protected polarity	-

Constructive and anviromental data

	SNNA
Voltage phase-neutral	300 V
Overvoltage category	III
Rated impulse voltage	4 kV
Pollution degree	2
Protection	IP 20
Approximate weight	270 g
Storage temperature	-50..+85ºC
Operating temperature	-20..+50ºC
Humidity	30..85% HR
Housing	Cycoloy - Light grey
Socket	-
Visor leds	Lexan - Transparent
Button, terminal block, clip	Technyl - Dark blue
Pins of the socket	-
Pins of the terminal block	Brass
Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility , directives 89/366/EEC and 92/31/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0

Dimensions

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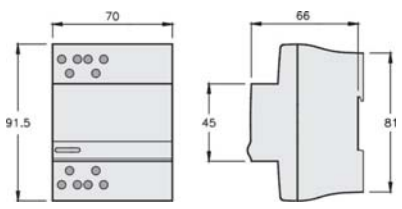

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