SNDA



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Field of application	Control of two independent tanks
	 Control of two pumps with stop at one only level
	 Control of level and one alarm of maximum or minimum
Character differential	It is composed of two independent controls of level with a relay (contacts SPDT) associated to each one of them. They can work as individual or related among them (see the application examples in page 2).
Operating principle	Control of maximum and minimum level: Relay 1 activates when the level of the liquid reaches
	the electrode of maximum level (Y2) and it is deactivated when the liquid descends below the electrode of mininum level (Y1).
	Relay 2 activates when the level of the liquid reaches the electrode of maximum level (Y4) and it
	is deactivated when the liquid descends below the electrode of mini level (Y3).
	Control of maximum or minimum level: The terminals of maximum and minimum electrodes
	have to be united (Relay 1: Y1-Y2; Relay 2: Y3-Y4). The relay activates when the liquid level
	reaches the electrode and it is deactivated when it descends below the same one.
Leds indication	Power on: Green
	Relay on: Red
Sensitivity	Adjustable from 10 to 100 KΩ
Voltage in probes line	24 VAC
Current in probes line	4mA (in shortcircuit)
Probes connection	Usually 12,5 mm ² section cables are used, with good insulation and without shielding. In some
cables	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 200
	K Ω . The screen is connected to ground.
Connection of the	If the tank is not conductive, an additional probe must be fitted for connecting the common
common electrode	electrode Z1.
Probes cable length	No especification detailed.
Accessories	Electrodes type: NS, NR 43650, NRA 43650, NR, NRA, NT, NRP, NP, NRT2.
	Separators: NR.SEP, NRA.SEP
	Attachment nuts: NR.TUE/P, NR.TUE/T
	Overvoltage protector: PS-3

	HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE	
Reference	S	Flush mounting	ND	Double level		SPDT	024 048	24 VAC 48 VAC		
					Α		110 230	110125 VAC 220230 VAC	100	10ΚΩ100ΚΩ
							400	380415 VAC		

To compose the reference, select one option of each column. Example: SNDA 230 100 $\,$





Application examples

			SNDA	
		AC	8 A / 250 V	1
Output relays	Resistive load	7.0	0 25 A / 200 V	-
	1001011701000	DC	8 A / 24 V	
		AC	2,5 A / 250 V	-
	Inductive load	DC	4 A / 24 V	-
	Me	echanical life	> 30 x 10 ⁶ operations	-
	Max. switching	g rate, mech.	72.000 operations / hour	
	Electrical lif	fe at full load	360 operations / hour	
	Con	tact material	AgNi 90/10	
	Maxi	mum voltage	440 VAC	
	Opera	ating voltage	250 VAC	
	Volt. between o	changeovers	2500 VAC	
	Voltage betwe	een contacts	1000 VAC	_
	Voltage	e coil/contact	5000 VAC	_
	Distance	e coil/contact	10 mm	-
	Isolatio	on resistance	> 10 ⁴ MΩ	-
			AC	
			L	
pply				
Su	Galva	nic isolation	Yes	
		Frequency	50 / 60 Hz	
	Opera	ting margins	±10% -15%	
		Positive	-	
	Protec	cted polarity	-	
	C	Consumption	3,2 VA	_
			SI	NDA
	Voltage p	hase-neutral	30	0 V
	Overvolta	age category		
_	Rated impulse voltage		4	kV
al data	Pollution degree			2
	Protection		IF	20
ent	Approximate weight		5000	10 g
E o	Operating	temperature	-50%	+85%
vire	Operating	Humidity	-20°C	5% HP
lan		Housing		Light gro
anc		Socket	Cycolog -	
constructive a		Visorleds	l avan - T	ransparen
	Button termin	al block clip	Technyl -	Dark blue
	Pins	of the socket	looninyi	-
	Pins of the te	rminal block	Br	ass
0				



DIASS
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

52.5

91.5

SNDA

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Approvals

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