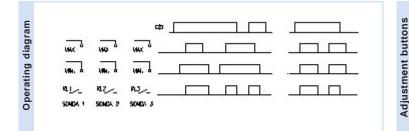


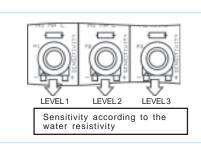
## **MNZA**

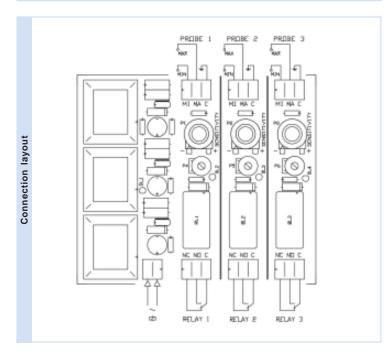


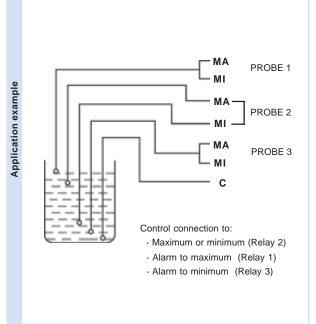


Function Module for the control of three independent levels. Operating principle Control for maximum and minimum level: The relay operates when the liquid level reaches the electrode for maximum level (MA). It releases when goes below the electrode for minimum level (MI). Control for maximum or minimum level: Link the electrodes (MA) and (MI). The relay operates when the level of the liquid reaches the electrode (MA-MI) and releases when goes below it. Sensitivity Adjustable from  $10K\Omega..150 K\Omega$ , independent for each level control. Input The inputs Common (C) of each level control are linked among them, being independent the input for Maximum (MA) and Minimum (MI). Output One relay SPDT independent for each level control. Leds indication Power on: Green Relay on: Red (1 for each level control) Voltage in probes line 24 VAC Current in probes line 10 mA (for each level control) Timming 1,5 seconds, approx., when the relay releases. Usually 1..2,5 mm<sup>2</sup> section cables are used, with good insulation and without shielding. In some Probes connection 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  $K\Omega$ . The screen is connected to ground. Connection of the If the tank is not conductive, one additional electrode must be fitted for connecting the common electrode C. common electrode Probes cable length No especification detailed. Accessories See next page.









Output relays		AC	8 A / 250 V	
	Resistive load	DC	0,25 A / 200 V	
			8 A / 24 V	
	Inductive load	AC	2,5 A / 250 V	
		DC	4 A / 24 V	10.10.0
	Mechanical life		> 30 x 10 <sup>6</sup> operations	NC ND C
	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		$> 10^4  \mathrm{M}\Omega$	

Supply	Supply voltage	[024]: 24VAC [048]: 48VAC [110]: 110125 VAC [230]: 220240 VAC	
	Galvanic isolement	[400]: 380415 VAC Yes	1
	Frequency	50 / 60 Hz	ch ch
	Operating margins	±10% -15%	

		MALTA
Constructive and anviromental data		MNZA
	Voltage phase-neutral	300 V
	Overvoltage category	III
	Rated impulse voltage	4 kV
	Pollution degree	3
	Approximate weight	470 g
	Storage temperature	-50°C+85°C
	Operating temperature	-20°C+50°C
	Humidity	3085% HR
	Socket	Polyamide PA 6.6, self-extinguishing
	Pins of the terminal block	Nickel plated 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 94 V0

