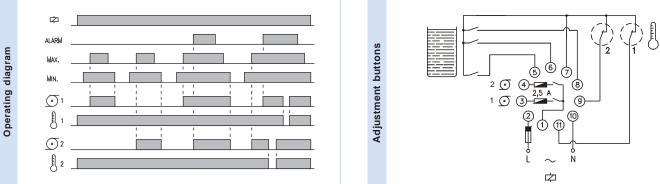
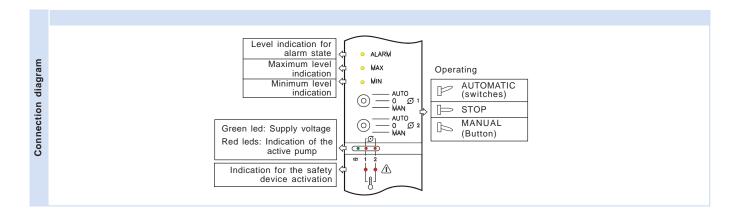
DISIBEINT	www.microlectra.nl	info@microlectra.nl
PNWB	-	Pitz get With the Constraint of the Constraint
Function	Alternative control of two pumps. Selection modes: Stop - automatic - manual.	
Operating principle	whenever the switch is pushed, with independer Switches in AUTO position: When the liquid real when the liquid goes under the minimum level. I level, relay 2 operates and both relays release of 1 and 2 operate alternatively each time that the If one of the switches goes to the 0 position, the a related to the switch in the AUTO position. Switches in MAN or AUTO position: If the exter whichever operation of the related relay is switch	The relay related to each switch remains operated ece of the state of the level. aches the maximum level, relay 1 operates and releases if while relay 1 is operated the liquid reaches the alarm when the liquid goes under the minimum level. Relays a liquid reaches the maximum level. alternate cycle is cancelled, and only operates the relay ernal thermal protector (safety device) detects a failure, thed off and no-one operation is possible, the alternate elated to the thermal protector which did not detect the
Sensors	Any level sensor with potential free contacts.	
Contacts	Two relays SPST NO (8 A).	

Indications leds Power on (green) - Relays on (red) - Levels (yellow) - Safety devices (red)

	HOUSING		FUNCTION		OUTPUT		SUPPLY	
Reference	Ρ	Plug-in	NW	Double level	В	2 SPST NO	048 110	24 VAC 48 VAC 110125 VAC 220240 VAC 380415 VAC
To compose the reference, select one option of each column. Example: PNVB 048								





1/2

There are some exceptions to the normal operating mode. Basically, they consist in the following ones:

- Pumps work in manual mode although level is under minimum.

- If any electrode fails during operation, the pumps work until the level goes below the deeper electrode which doesn't fail.

The complete set of exceptions are stated in the following true table. The "X" means that the pump works or not depending on the alternative cycle.

The signs "0»1" or "1»0" mean a change of state during a certain operation.

Pos	MIN	мах		TERMIC PROTEC.		AU	то	MAN	UAL
FOS	MILLA	MAA	ALARM	1	2	RELAY1 RELAY2		RELAY 1	RELAY 2
1	0	0	0	1	1	0	0	1	1
2	1	0	0	1	1	0	0	1	1
3	0	1	0	1	1	Х	Х	1	1
4	1	1	0	1	1	Х	Х	1	1
5	0	0	1	1	1	1	1	1	1
6	1	0	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
8	1	1	1	1	1	Х	Х	1	1
9	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0
11	0	1	0	0	0	0	0	0	0
12	1	1	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0
14	1	0	1	0	0	0	0	0	0
15	0	1	1	0	0	0	0	0	0
16	1	1	1	0	0	0	0	0	0
17	1	1	0	1»0	1	1»0	0»1	-	-
18	1	1	0	1	1»0	0»1	1»0	-	-

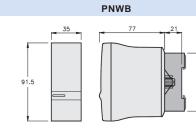
Supply		AC PNWB
	Galvanic isolation	Yes
	Frequency	50 / 60 Hz
	Operating margins	±1015%
	Positive	-
	Protected polarity	-

		PNWB
	Voltage phase-neutral	300 V
	Overvoltage category	111
	Rated impulse voltage	4 kV
data	Pollution degree	2
	Protection	IP 20 B
nta	Approximate weight	250 g
anviromental	Storage temperature	-50+85°C
iro	Operating temperature	-20+50°C
anv	Humidity	3085% HR
and	Housing	Cycoloy - Light grey
	Socket	Lexan - Light grey
ive	Visor leds	Lexan - Transparent
Constructive	Button, terminal block, clip	Technyl - Dark blue
str	Pins of the socket	Nickel-plated brass
ő	Pins of the terminal block	-
U	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

			PNWB
			$ \begin{array}{c} 6 & 6 \\ 7 \\ 4 \\ 2.5 \\ 3 \\ 3 \\ 2 \\ 1 \\ 1 \end{array} $ $ \begin{array}{c} 8 \\ 9 \\ 2 \\ 1 \\ 1 \end{array} $
	Resistive load	AC	8 A / 250 V
		DC	0,25 A / 200 V
ays		DC	8 A / 24 V
Output relays	Inductive load	AC	2,5 A / 250 V
nt		DC	4 A / 24 V
utp	Me	echanical life	> 30 x 10 <sup>6</sup> operations
0	Max. switching		72.000 operations / hour
	Electrical life	e at full load	360 operations / hour
	Con	tact material	AgNi 90/10
	Maxir	num voltage	440 VAC
	Opera	ating voltage	250 VAC
	Volt. between o	changeovers	2500 VAC
	Voltage betwo	een contacts	1000 VAC
	•	coil/contact	5000 VAC
	Distance	coil/contact	10 mm
	Isolatio	n resistance	> 10 <sup>4</sup> MΩ







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