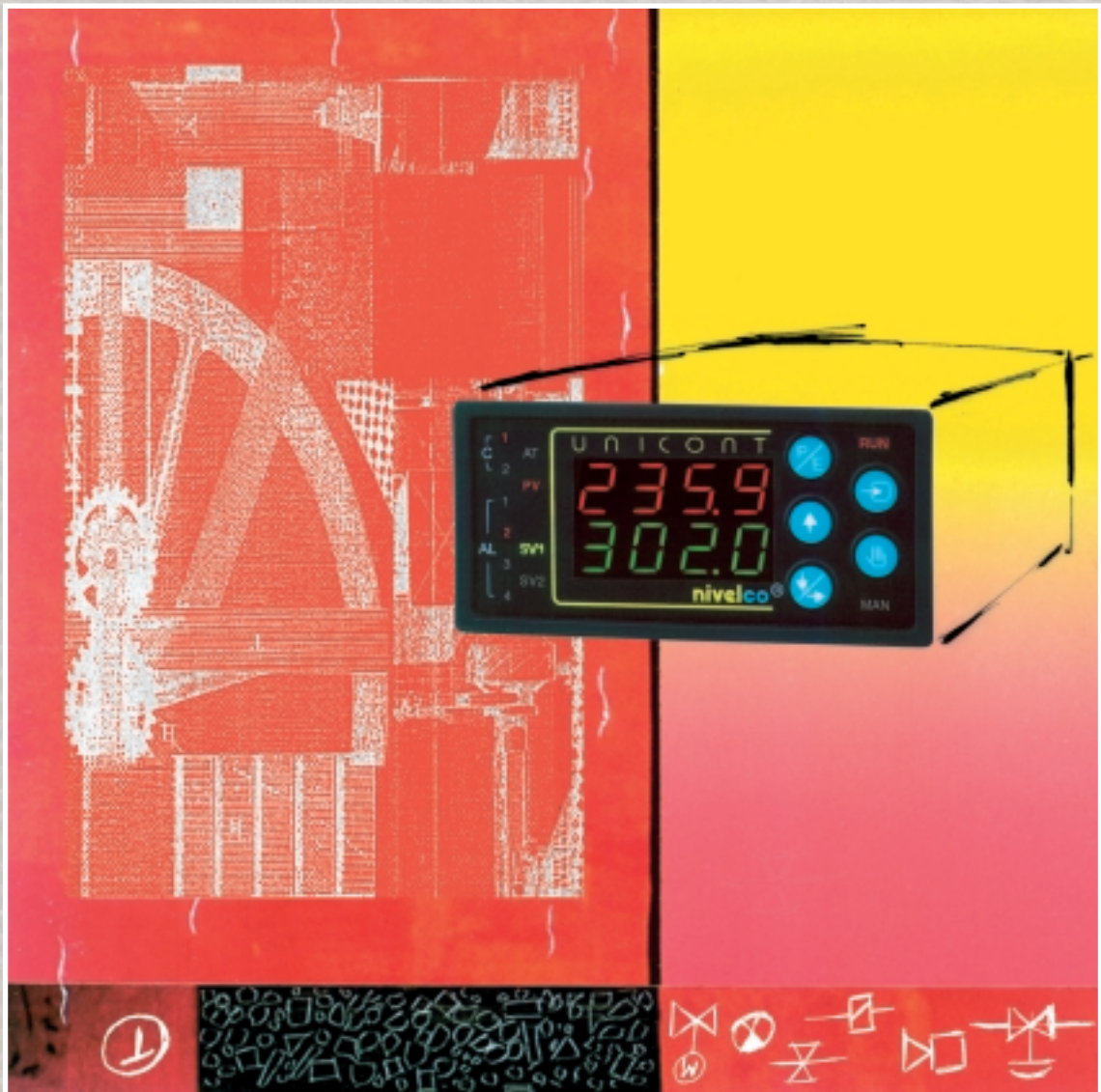




UNICONT

PROGRAMMABLE CONTROLLER



OUR PROFESSION IS YOUR LEVEL



UNICONT PM-300 ... setting new standards

Today's market place confronts the user with a variety of different makes with very little to choose between them. Nivelco's UNICONT PM-300 series of panel indicators and controllers with its attractive price brings a fresh approach to this static market.

The new UNICONT PM-300 series incorporates features such as 2 universal input, 4 relays, (1000 alarm functions), more than 1000.000 process configuration possibilities transmitter power supply, Modbus, Autotuning, 32 point linearisation and differential calculation, formerly only found on higher priced general purpose controllers. Its modular design guarantees short delivery times for the entire range. Front dimensions: 96x48 mm. Mechanical protection: IP65

INPUT	OUTPUT	FEATURES	ALGORITHM
Current: 0 to 20 mA 4 to 20 mA	2 relays 250 V AC, 5 A	2 line, 4 digit bicolour display	ON/OFF, P, PI, PID
Voltage: 5 to 20 mV 0 to 100 mV, 0 to 500 mV	2 alarm relays 250 V AC, 5A	user definable rounding of the displayed values	Control of heating or cooling
Termocouple: K, J, E, L, U	SSR driver 15 to 250 V AC, 1 to 5A	Status indication	Control of motor driven valves
Termocouple: N, R, S, B, M, A, C	2 current outputs 0/4 to 20 mA	32 point linearisation	Manual valve control
Resistance thermometer: Pt 100 Pt 500, Pt 1000, Cu 100, Ni 100	Transmitter power supply (U _r) 24 V DC, 100 mA	variable switch different (pump control)	Autotuning
Resistance: 0 to 500 Ω 0 to 2000 Ω	RS 485 MODBUS	window comparator differential metering	Programmed control
Potentiometer: 0 to 500 Ω 0 to 2000 Ω	Buzzer	high and low alarm	Sequence control

UNICONT PM 3

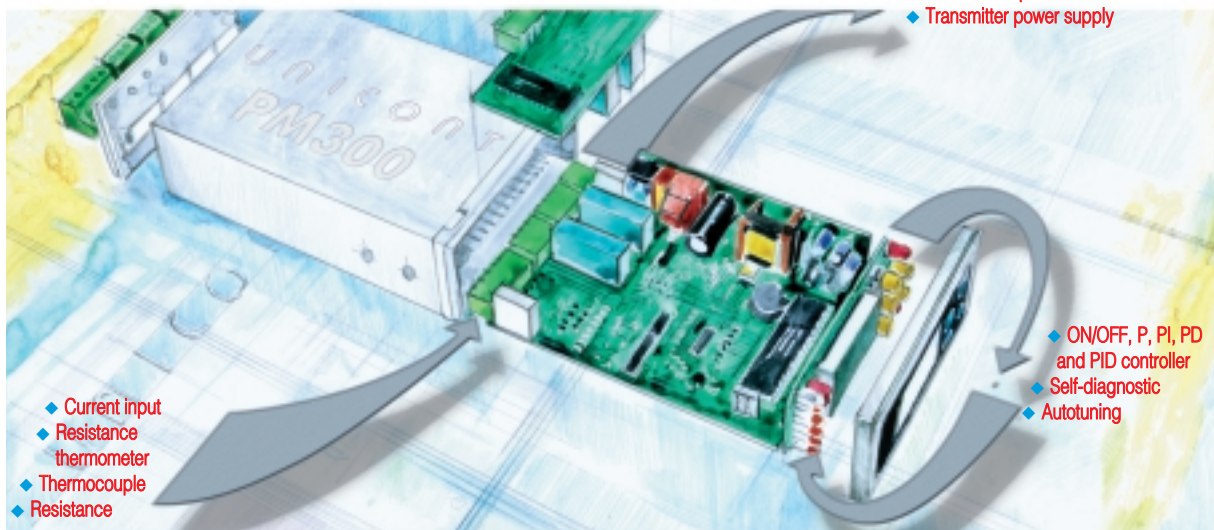
Mechanical design	Code
Standard	M
Lockable cover	Z

Input	Code
IN1	1
IN1 and IN2	2
IN1 + 32 point linearisation	3
IN1 + IN2 + 32 point linearisation	4

Outputs	Code
SPDT1, SPDT2-relays, I _{out1}	1
SPDT1, SPDT2-relays, I _{out1} , I _{out2} , U _r	2
SPDT1, SPDT2-relays, I _{out1} , SPST3, SPST4	3
SPDT1, SPDT2-relays, I _{out1} , I _{out2} , RS 485, SPST3, SPST4 U _r	4
SSR1, SSR2 drive, I _{out1}	5
SSR1, SSR2 drive, I _{out1} , U _r /I _{out2}	6
SSR1, SSR2 drive, I _{out1} , AL3, AL4	7
SSR1, SSR2 drive, I _{out1} , U _r /I _{out2} , RS 485, AL3, AL4	8

Power supply	Code
85-265 V AC, 120-375 V DC	1
18 ... 24 V AC or 16 ... 32 V DC	2
12V DC	3

- ◆ Modbus
- ◆ Relay outputs
- ◆ Current output
- ◆ Transmitter power supply



- ◆ Current input
- ◆ Resistance thermometer
- ◆ Thermocouple
- ◆ Resistance

- ◆ ON/OFF, P, PI, PD and PID controller
- ◆ Self-diagnostic
- ◆ Autotuning

Technical specification may be changed without notice

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