

NANOXL

(4) RELAY CONTROLLER

The NanoTron “NANO” XL is the economical platform and exceptional choice for commercial and industrial water treatment systems.

MICROPROCESSOR CONTROL OF:

Conductivity and Feed Timers
(Pulse • 28-Day • Recycle • Post Bleed)



KEY FEATURES

- Compact Design
- Simple Step Through Menu
- NEMA 4X Style Enclosure
- Raised Dome Keypad
- Non-Volatile Memory
- Water Meter Totalizer
- mA Options
- Prewired Configuration
- 2 Year Warranty

PRODUCT OVERVIEW

The NANOXL is a compact, four relay microprocessor-based controller with many standard features. NANOXL models are available to control conductivity and three selectable feed timers, or four independently programmable feed timers.

The NANOXL platform provides an economical option for conductivity control of tower, boiler and other industrial water systems. Selectable feed timers and an optional 4-20 mA input provides a wide range of chemical feed options.

Build a Model NANOXL -

Step 1 Choose a base model

Must select one.

Conductivity Control		3 Feed Timers
B0	Boiler conductivity no probe	
B2	BE-32C probe, 400°F and 250 PSI max	
C	TE-4A Standard Tower probe; 3/4" PVC slip, 140°F and 150 PSI max	
C0	Tower Conductivity no probe	
C3	AH-4ASS 212°F and 250 PSI max, 1" MNPT	
C5	DC-4ASS Tank mount, PVC 180°F max	

Step 2 Whole unit options

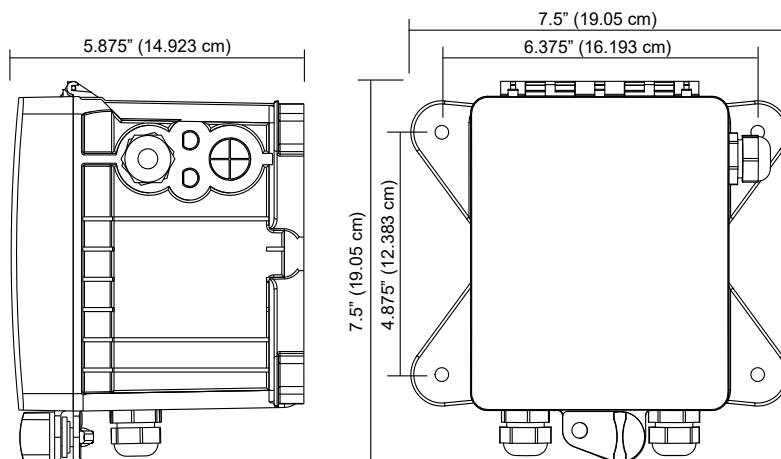
Must select from each in order.

Options		List all desired
A	100-240 VAC conduit connections	
A3	Liquid tights only, 100-240 VAC	
A7	Australian power cord (240 VAC)	
E	Standard float style switch PVC assembly; 120 PSI (8.2 bar) @ 125°F (51.6°C)	
N1	One mA input	
N2	Two mA inputs	
O1	One mA output	
O2	Two mA outputs	
V	Isolated 24 VDC power supply for powering mA inputs and outputs	
Y	UL/CSA/CE testing approvals	

Build a Model NANOXL - F4

Step 1 Choose a base model

Four Selectable Feed Timers	F4
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Specifications

Electrical Input	95-240 VAC, 50/60 Hz	Selectable Feed Timers	
Relay Outputs	Individually fused and 2.5 amps Dry contact limited to 2.5 mA at 28 VDC	Pulse	1-9999 counts, MM:SS run time
Display	LCD 1 x 16 backlit alphanumeric	Recycle	HH:MM off cycle, MM:SS on cycle
Digital Inputs	Inputs have 10K Ω pullup to 3.3 VDC from open collector open drain output	28-Day	Weeks, Days, HH:MM run time
Flow Totalizing Inputs	10K Ω pullup to 5 VDC max rate 2.5 KHz from open collector open drain output	With Relay	HH:MM limit time
mA Inputs	Optical isolation, 250 Ω / 5 VDC @ 20 mA Loop voltage to not exceed 30 VDC	Post Relay	0-100%, HH:MM limit time
mA Outputs	Non-isolated. 12 VDC max load = 400 Ω Isolated ext 24 VDC max load = 800 Ω	Conductivity Control Ranges	(μ S/cm, mS/cm, PPM)
Enclosure	NEMA 4X style polycarbonate	Low	5-1,000 μ S
Ambient Temp	0° to 125°F (-17° to 52°C)	Mid	100-5,000 μ S
Relative Humidity	0 to 100%	High	1,000-20,000 μ S (towers); 1,000-10,000 μ S (boilers)
Shipping Weight	Approximately 6 lbs. (2.722 kg)	Tower probes supplied in 3/4" quick release PVC tees.	
Dimensions	11" (27.94cm) W x 11.75" (29.84 cm) H	TE-4A	150 psi (10.3 bar), 140°F (60°C) max
		DC-4A	180°F (82.22°C) max tank mount
		AH-4ASS	250 psi @ 212°F (100°C) max
		BE-32C	250 psi @ 400°F, SS/PEEK with 1" cross



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