

NanoXL

(4) Relay Controller

Microprocessor Control of:

- Conductivity
- Feed Timer
 - Pulse
 - 28-Day
 - Recycle
 - Post Bleed
 - Reminder
 - Batch



Key Features

- Compact Design
- Simple Step Through Menu
- NEMA 4X Style Enclosure
- Raised Dome Keypad
- mA Options
- 2 Year Warranty
- Prewired Configuration
- Available Flow Switch

Application

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

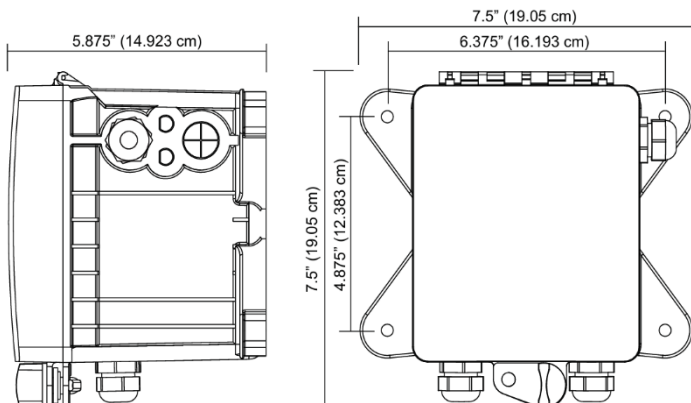
The model number starts with **NANOXL** followed by a single control function then any additional options.
Example: **NANO-C-E**

Control Functions

- C** = Tower conductivity with 3 feed timers
- B2** = Boiler conductivity with 3 feed timers
- F4** = Four feed timers

Options

- A2** = Conduit with CE mark, 240VAC
- E** = Float style flow switch assembly; 8,2 Bar @ 52°C
- N1** = One mA input (add option V to power 4 wire sensors like PTSA)
- N2** = Two mA inputs
- O1** = One mA output
- O2** = Two mA outputs
- V** = Isolated 24 VDC power supply for powering mA inputs and outputs



Specifications

Electrical

- **Input:** 100-240 VAC, 50/60 Hz
- **Control:** Input VAC, 3 Amp / relay
Prewired units are supplied with an 2,5 meter power cord and 20cm output receptacles.
- **Digital inputs:** Inputs have 10K Ω pullup to 3.3 VDC from open collector open drain output
- **Flow Totalizing Inputs:** 10K Ω pullup to 5 VDC max rate 2.5 KHz from open collector open drain output
- **mA inputs:** Optical isolation, 250 Ω / 5 VDC @ 20 mA Loop voltage to not exceed 30 VDC
- **mA outputs:** Non-isolated. 12 VDC max load = 400 Ω Isolated ext 24 VDC max load = 800 Ω

Operational

- **Conductivity Scale Ranges:**
 - Low:** 5-1,000 μ S
 - Mid:** 100-5,000 μ S
 - High:** 1,000-20,000 μ S (10,000 μ S for boilers)
- **Display:** LCD 1 x 16 backlit alphanumeric
- **Timers included in all models:**
 - Pulse:** 1-9999 counts, MM:SS run time
 - Recycle:** HH:MM off cycle, MM:SS on cycle
 - 28-Day:** Weeks, Days, HH:MM run time

Enclosure

Heavy duty NEMA 4X style high impact thermoplastic

Environment

Ambient temperature: -17 to 52°C
Relative humidity: 0 to 100%

Electrode

Standard tower electrode is supplied in a 3/4" Sch. 80 PVC female slip tee with quick release nut.

- **TE-4A** 10 Bar / 60°C Max
- **DC-4A** 82°C max tank mount electrode

Boiler electrodes supplied with 1" MNPT bushing

- **BE-32** 17 Bar @ 204°C

Shipping Weight: Approximately 2,72 kg

Dimensions:

Width: 28 cm
Height: 30 cm