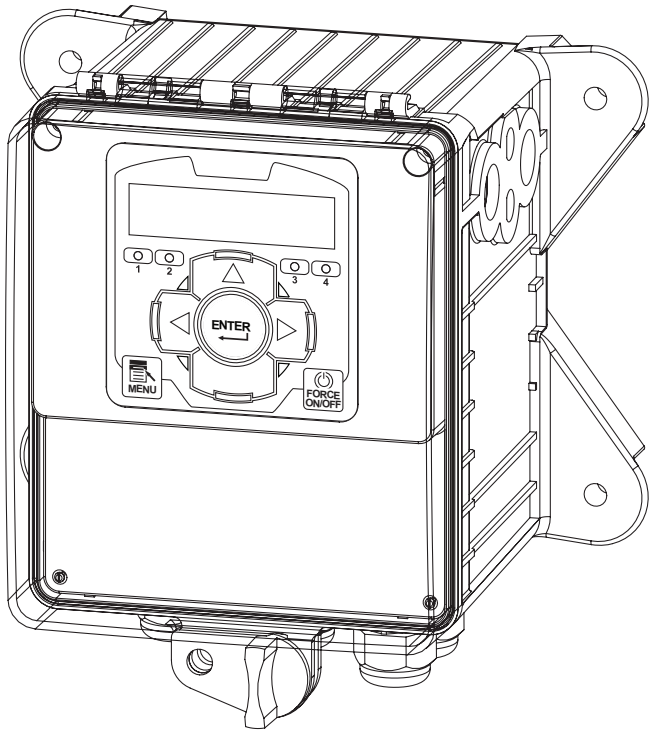
Advantage Controls — Data Sheet

NANOXL
Controller



Microprocessor Control of:

- **Conductivity**
- **Feed Timer**
  - **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
- 2 Year Warranty
- Available Flow Switch
- Prewired Configuration

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 timer options include: pulse, 28-day, recycle and post bleed, with bleed.

The NANOXL controllers can control a wide range of system functions including: analog readings and selectable feed timers. Each system control function drives a relay. NANOXL's come with four (4) relay outputs.

Choose a base model and add desired options.

BASE MODELS Model **NANOXL-__ __ - __ __ __**

Conductivity Control & 3 Feed Timers

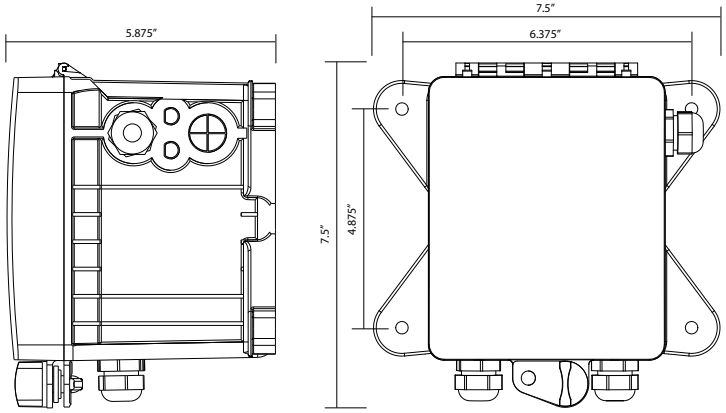
- B0 = Boiler conductivity no probe
- B2 = BE-32C probe, 400°F and 250 PSI max
- C = TE-4A Standard Tower probe; 140°F and 150 PSI max
- C0 = Tower Conductivity no probe
- C1 = TE-4ASS Standard Tower probe with S. Steel Tips; 140°F and 150 PSI max
- C3 = AH-4ASS 212°F and 250 PSI max
- C5 = DC-4ASS Tank mount with S. Steel Tips; 190°F max

Model **NANOXL-F4- __ __ __**

Four Selectable Feed Timers (F4)

OPTIONS

- 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)
- E3 = Paddle flow switch PVC assembly 120 PSI (8.2 bar) @ 125°F (51.6°C)
- E4 = Paddle flow switch PVC unassembled, 10' cord 120 PSI (8.2 bar) @ 125°F (51.6°C)
- E5 = Paddle switch brass assembly (order rated probes) 250 PSI (17.2 bar) @ 75°F (23.8°C)
- E6 = Flow switch connection only with cable
- E8 = Standard float switch PVC unassembled, 10' cord 120 PSI (8.2 bar) @ 125°F (51.6°C)
- E11 = Flow indicator (0-10) with switch, PVC assembly 100 PSI (6.8 bar) @ 125°F (51.6°C)
- Y = UL/CSA/CE testing approvals



Specifications

Electrical

- Input: 95-240 VAC, 50/60 Hz
- Control: Equal to input voltage (95-240 VAC) fused at 2.5A per relay; Prewired units are supplied with an 8' (248.84 cm) power cord and 8" (20.32 cm) output receptacles.
- Water Meter: Dry contact, Hall-effect; +5 VDC input

Operational

- **Conductivity Scale Ranges:**
  - **Low:** 5-1,000µS
  - **Mid:** 100-5,000µS
  - **High:** 1,000-20,000µS for towers
    1,000-10,000µS 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

Conductivity models also include:

- **With Bleed**: HH:MM limit time
- **Post Bleed**: 0-100%, HH:MM limit time

Enclosure

Heavy Duty NEMA 4X style, high impact thermoplastic with padlockable gasketed Lexan viewing door

Environment

Ambient temperature: 0° to 125°F (-17 to 52°C)
Relative humidity: 0 to 100%

Electrode

Standard tower electrode is supplied in a 3/4" (1.91 cm) Sch. 80 PVC female slip tee with quick release nut.

- **TE-4A** 150 psi (10.3 bar) / 140°F (60°C) max
- **DC-4A** 180°F (82.22°C) max tank mount electrode
- **AH-4ASS** 212°F and 250 PSI max
- **BE-32C** 400°F and 250 PSI max

Dimensions

W 7.5" (19.05 cm)
H 7.5" (19.05 cm)
D 5.875" (14.923 cm)

Shipping Weight

6 lbs. (2.722 kg) approx.

Get the Advantage

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