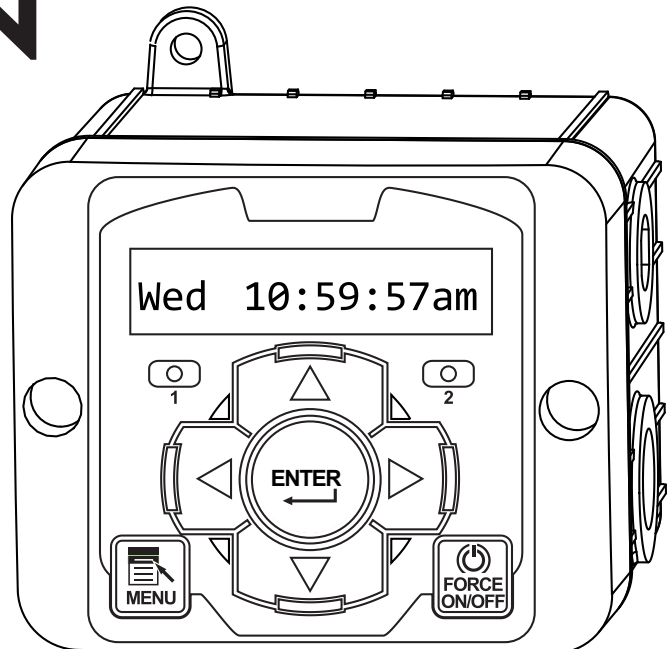


NANOTRON-N

Microprocessor Control of:

- **mA Input**
 - Scalable mA Output
 - Pulse Output
- **Selectable**
- **Feed Timer**



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 NanoTron-N is a compact, dual relay, microprocessor-based controller. It comes with many standard features including one control relay based on a scalable mA input reading, and one selectable feed timer relay.

The NanoTron-N platform provides an economical option for generic input monitoring & control of any mA signal. Selectable feed timer options include: pulse, post control, with control, recycle, 28-day.

Build a Model

The model number starts with NANO-N and may be followed by any additional options.

Example: NANO-N-E

Options

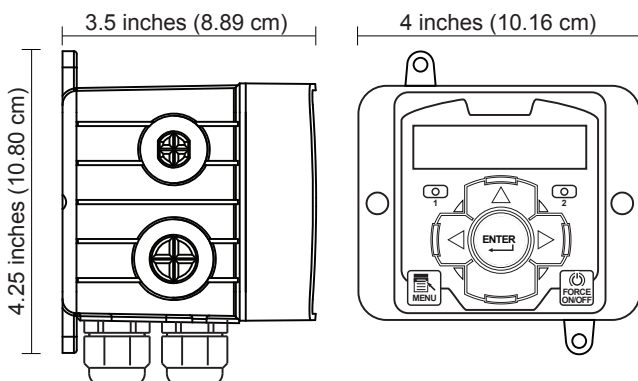
- A** = 120 VAC conduit connections
- A2** = Class F power cord, relay liquid tights, CE mark, 240 VAC relays
- A3** = Liquid tights only with CE mark, 240 VAC
- A5** = USA power cord and no relay cord, 120 VAC
- A7** = Australian power cord (240 VAC)
- A22** = Operates off of incoming 24 VDC only with no cords and relays set for dry contact
- E** = Float style flow switch assembly; 140 PSI @ 75°F
- E3** = Paddle flow switch with PVC flow assembly
- E5** = Paddle flow switch with brass assembly; 250 PSI @ 75°F (order appropriate probes)
- E6** = Flow switch connection only with cable
- K** = Prewired cable for mA output (Nano-N, M, P or R only) with external connector
- W** = Larger enclosure with clear lockable cover
- W4** = Larger enclosure with clear lockable cover & 20-amp relay fused for 13 amps max
- Y** = ETL agency listing

All NanoTron units include:

- 2 relay outputs with “force on” mode
- 1 low drum alarm input
- 1 water meter input with accumulator and totalizer

Possible units of measure for mA input display:

mA	mg/L	gl	Ltr
lb	ml	F	C
psi	%	Mil/Yr	uM/Yr
CFU/ml	gpm	Lpm	mm
pH	mS/cm	PPB	N/A
PPM	uS/cm	TDS	mV



Specifications

Electrical

- **Input:** 100-240 VAC, 50/60 Hz
 - **Control:** Input VAC, 3 Amp / 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

- **Output:**
 - 1 scalable mA output powered or isolated
 - 1 scalable pulse output
- **Display:** LCD 1 x 16 backlit alphanumeric
- **Timers included:**
 - 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
 - Batch:** Manual 1 time (on MM:SS)
 - With Control:** HH:MM limit time
 - Post Control:** 0-100%, HH:MM limit time
 - Utility:** Relay always ON & flow dependent
 - Alarm:** Relay ON with alarms

Enclosure

NEMA 4X style high impact thermoplastic

Environment

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

Shipping Weight: Approx. 2 lbs. (0.91 kg)
W Option: 6 lbs.

Dimensions:

Width:	4" (10.16 cm)	W Option	7.5" (19.0 cm)
Height:	4.25" (10.80 cm)		7.5" (19.0 cm)
Depth:	3.5" (8.89 cm)		5.9" (14.9 cm)