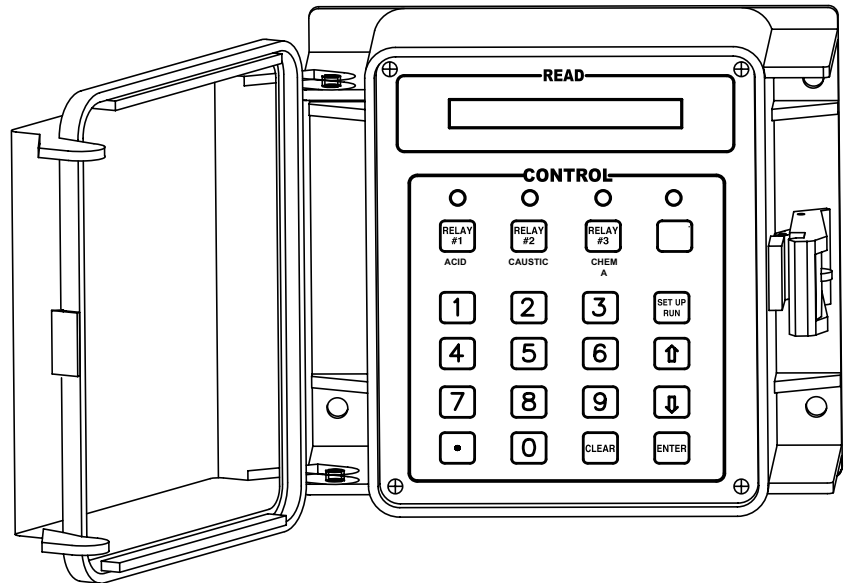


MicroTron pH/ORP Controller

Microprocessor Control of:

- pH
- ORP
- Chemical Feed
- Biocide Control



Key Features

- 12 Bit Input Resolution
- Simple Step Through Menu
- One Point Calibration
- Raised Dome Keypads
- Relay Test Keys
- Non-Volatile Memory
- No Battery Required
- User Defined Security Code
- 2 Year Warranty
- Remote Communication Option
- Expanded Set Up Parameters
- Prewired Configuration

Application

The MicroTron series of controllers provide a wide range of options and features for a custom tailored unit to meet your unique systems needs.

MicroTron pH/ORP controllers can be configured with pH and/or ORP control. Selectable chemical feed timers and biocide timers are also available plus many more options and features (see reverse side).

The MicroTron series of controllers for water systems, such as cooling towers, swimming pools and waste water systems, offer the most flexibility in features and functions for the price.

Base Functions

MicroTron pH/ORP controllers use temperature compensated probe readings with high and low alarms and limit timers for each probe based control function. All readings, settings, date/ time and alarms are viewed in the display and changed via the menu and keypad.

- L MicroTron controller with LCD display
- P pH control
- P-2 pH control with dual set points
- R ORP control
- F Single programmable feed timer
- F-2 Dual programmable feed timers
- B Single 28 day timer
- B-2 Dual 28 day timer

MicroTron controls have a maximum of 5 relay outputs. Each letter designation above (except L) uses one relay. Letters with a -2 or -3 indicate the use of more relays. Example: LP-2

Options

Your unit may be supplied with one or more options listed at the end of the model number, for example LP-2EHJ. This list represents our most popular options. For a complete list of options, consult the factory.

- A Conduit Connections
- A-6 On/Off Power Switch (Adds Lower Enclosure)
- A-7 Lower Enclosure
- C-1 0-5V Non-Isolated Output
- C-4 Single 4-20 mA Non-Isolated Output
- C-6 Single Isolated 4-20 mA Output
- D 220 V Service (Must be conduit unit)
- E Mounted Flow Switch Assembly 150 psi
- G Serial Line Connection
- H Serial Line Connection With Modem
- J Windows Software
- L Additional Output Cord
- M Alarm Relay
- M-1S Sonic Alarm Buzzer with Silence Switch
- N Non Standard Conductivity Scales
- O-1 Tank Mount pH Electrode
- Q Alternate electrodes
- W Power Relay 1.5 HP Maximum, 25 Amps
- W-1 Single 25A Power Relay with Lower Enclosure
- X Tank Low Level Alarm with Level Wand(s)
- Y Bleed Flow Alarm (requires a Flow Switch)
- Z-6 Accepts 2 Water Meter Inputs
- Z-8 Dump Relay
- 9 Paddle Wheel Flowmeter Input

Specifications

Electrical

- **Input:** 95 -130 VAC, 50/60 Hz
 - **Control:** 115 VAC, 3 Amp per relay
- Prewired units are supplied with an eight foot power cord and 6" output receptacles.

Operational

- **Display:** LCD 1 x 16 backlit alphanumeric
- **pH:** 0-14 scale
- **ORP:** +/- 1000 millivolts scale
- **Accuracy:** +/- 1%
- **Feed Timers (Selectable):**
Pulse: 99 min, 59 sec run time, 1-99 counts
% of Time: 1-99 minute cycle, 1-99% on time
- **Biocide Timer:** 28 day programmable

Enclosure

Heavy duty NEMA 4X type 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%

Electrodes

Standard electrodes are supplied in 3/4" SCH 80 PVC female slip tees with quick release nut.

- **pH:** TPE-2 100 psi / 140°F(58°C) Max
- **ORP:** TOE-2 100 psi / 140°F(58°C) Max

Shipping Weight: Approximately 6 lbs.

Dimensions: W 7" x H 6.5" x D 4.5"

