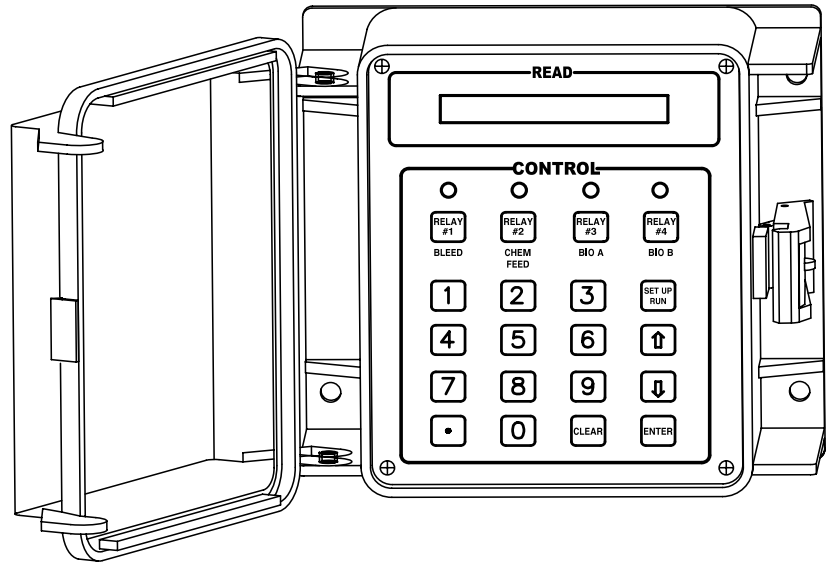


MicroTron Tower Controller

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Microprocessor Control of:

- Conductivity
- 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 with L.E.D.
- 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 menu driven controllers can be configured with conductivity control of bleed plus pH and/or ORP control. Selectable chemical feed timers and biocide timers are also available plus many more options and features.

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

Base Functions

MicroTron tower controllers use temperature compensated probe readings with high and low alarms and limit timers for each probe based control function selected. Units have a maximum of 5 relay outputs.

All readings, settings, date/time and alarms are viewed in the display and changed via the menu and keypad.

MicroTron controller model numbers can be broken down as follows and will always start with an M or L.

- M** MicroTron controller with VFD display
- L** MicroTron controller with LCD display
- C** Conductivity control with temperature
- C-2** Adds make-up conductivity function
- F** Single programmable feed timer
- F-2** Dual programmable feed timers
- F-3** Triple programmable feed timers
- B** Single 28 day timer
- B-2** Dual 28 day timer
- B-3** Triple 28 day timer
- P** pH control
- P-2** pH control with dual set points
- R** ORP control

Options

Your unit may be supplied with one or more options listed at the end of the model number. (MCFB-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)
- C-1** 0-5V Non-Isolated Output (for Chart Recorder)
- 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** Remote Communication Software
- M** Alarm Relay
- M-1S** Sonic Alarm Buzzer with Silence Switch
- N** Non Standard Conductivity Scales
- Q** Alternate Electrodes
- R** Molex Connector on Conductivity Electrode
- V** Digital Input for Bleed-Off Water Meter
- W** Power Relay 1.5 HP Maximum, 25 Amps
- X** Tank Low Level Alarm with Level Wand(s)
- Y** Bleed Flow Alarm (Requires a Flow Switch)
- Z-6** Accepts 2 Water Meter Inputs for Timers
- Z-11** Lockout Chem Feed with Low Cond. Alarm

Specifications

Electrical

- **Input:** 115 VAC, 50/60 Hz
- **Control:** 115 VAC, 15 Amp Total Capacity
Prewired units are supplied with an eight foot power cord and 11" output receptacles.

Operational

- **Display:** VFD 1 x 16 florescent alphanumeric
LCD 1 x 16 backlit alphanumeric
- **Conductivity Control:** 0-5000 μ S/cm scale
- **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
Feed with Bleed: Limit timer 0-99 minutes
Post Feed Bleed: 1-99% of bleed cycle with 0-99.59 minute limit timer
- **Biocide Timer:** 28 day programmable with prebleed and bleed lockout functions

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.

- **Conductivity:** TE-4A 150 psi / 140°F(58°C) Max
- **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"

