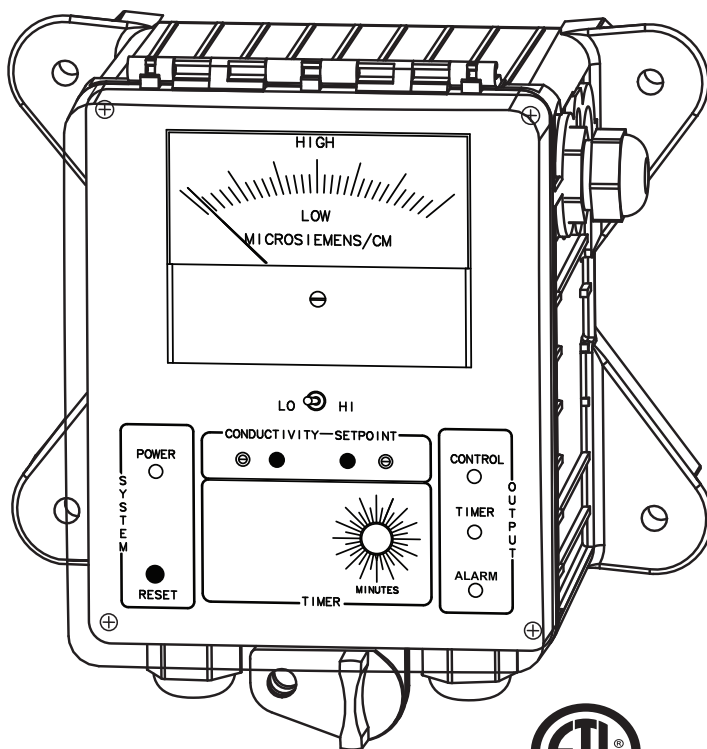


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# 2EZ Series Analog Controller

## Simple Analog Control of:

- Conductivity
- pH
- ORP
- Chemical Feed



## Key Features

- Easier to Operate
- Meter or Digital Display
- Front Panel Calibration
- Front Panel Set Point
- LED Indicator Lights
- Dual Scale Flexibility
- Adjustable Differential
- Agency Approvals
- Pre-Wired Configuration
- 2 Year Warranty

## Application

2EZ Series of controllers provide reliable single probe control of recirculating water systems such as cooling towers and boilers.

2EZ units are available with either a large analog meter needle or LCD digital display of the probe reading. Optional digital feed timing or boiler sampling circuits offer superior accuracy.

Simple analog design utilizing state of the art electronics is easier to understand and operate, plus individually fused relay outputs with detachable connectors make installation quick and easy, all at an affordable price.

## Build a Model

Units can be configured with **one** probe input. The model number starts with a **2EZ** followed by a dash then the code for the probe function desired.

Once the main control functions have been selected, insert another dash (-) and list the desired options.  
Example: **(2EZ-B7M-K)**

### Tower Conductivity Control

**A** = TE-4A Standard Tower probe

### Boiler Conductivity Control

**B** = BE-1 Standard Boiler / probe

### Boiler Sample Method

2EZ-B7L units can also be set for Sample and Hold.

**7** = Timed Sampling

**8** = Continuous

**9** = Condensate

### PH Control

(Digital display Only) Single set point w/ limit timer

**P** = TPE-21 Standard probe

### PH Dual Control (Digital display Only) with limit timers

**Q** = TPE-21 Standard probe

### ORP Control (Digital display Only) w/limit timer

**R** = TOE-21 Standard ORP probe

### Display Type

**L** = Digital LCD

**M** = Analog Needle Meter

### Chemical Feed Timers

For 2EZ-A models, 2EZ-AL unit's timers are internally selectable but will come preset for timer selected.

**T0** = Omit Limit Timer on pH or ORP models

**T1** = Limit Timer 0-90 min.

**T2** = Pulse Timer 0-150 sec.

**T3** = Percent Timer

**T4** = Post Bleed

### Flow Switch

**E** - Flow switch

### OPTIONS

**C** - Conduit connection

**C1** - 240 volt conduit

**C3** - delete pump pigtail on pre-wired units

**G** - Time delay relay output

**K** - High/Low Alarm 120 volt and dry contact

**O** - 4-20mA non-isolated output

**O1** - 4-20mA isolated output

**S** - Scale options

**S10** - 0-10,000  $\mu$ S/cm

**Y** - ETL USA/Canada approval

## Specifications

### Electrical

- **Input:** 100-130 VAC, 50/60 Hz

- **Control:** 120 VAC, 2.5 Amp Relay

Prewired units are supplied with an 8' (182.88 cm) power cord and 6" (15.24 cm) output receptacles.

### Operational

- **Standard Scales:**

**2EZ-AM** - 0-3,000 / 0-6,000 dual  $\mu$ S/cm scale

**2EZ-B7&8M** - 0-3,000 / 0-6,000 dual  $\mu$ S/cm scale

**2EZ-B9M** - 0-100 / 0-500 dual  $\mu$ S/cm scale

**2EZ-AL** - 0-5,000  $\mu$ S/cm scale

**2EZ-B7&8L** - 0-10,000  $\mu$ S/cm scale

**2EZ-B9L** - 0-500 dual  $\mu$ S/cm scale

**2EZ-PL** - 0-14 pH

**2EZ-RL** - +1000 millivolt scale

- **Accuracy:** +/- 2%

- **Feed Timers:**

**Pulse** - water meter activated

**Percent** - 1 - 100% of a cycle time.

**Limit** - Limits feed with control activation

- **Boiler Sample Timers:**

**Interval** - 0-7.75 hours or 0-31 hours

**Duration** - 0-7-75 minutes

**Hold** - 0-7.75 minutes (2EZ-B7L only)

**Blowdown** - 0-31 minutes (2EZ-B7L only)

### 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

Tower Standard electrodes are supplied in 3/4" (1.91 cm) SCH 80 PVC female slip tees with quick release nut.

- **Conductivity:** TE-4A 150 psi (10.3 bar) / 140°F(58°C) Max

- **pH:** TPE-2 100 psi (6.8 bar) / 140°F(58°C) Max

- **ORP:** TOE-2 100 psi (6.8 bar) / 140°F(58°C) Max

Boiler electrodes are supplied with 1" (2.54 cm)

MNPT SS threads.

- **Conductivity:** BE-1 250psi (17.2 bar) / 400°F(204°C) Max

**Shipping Weight:** Approximately 6 lbs. (2.722 kg)

### Dimensions:

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

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