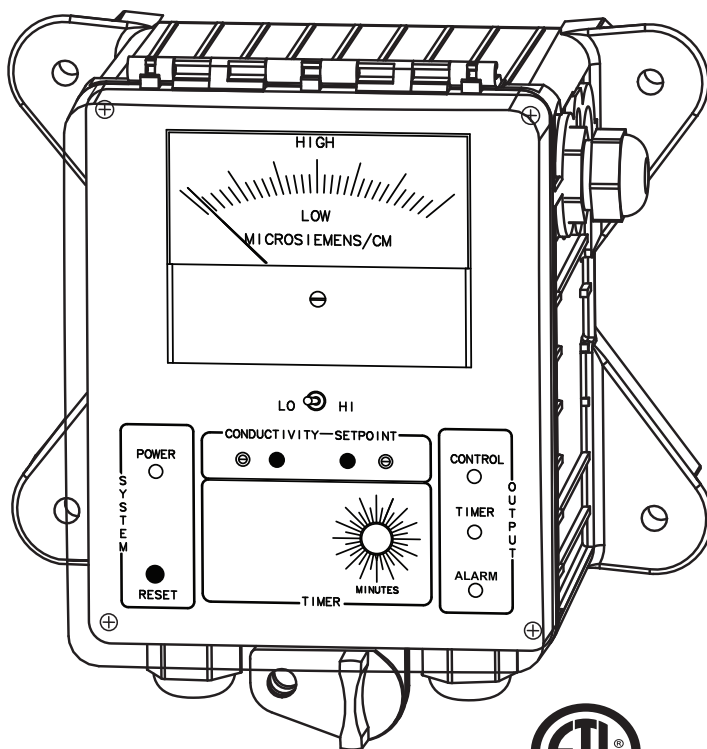


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2EZ Series Analog Controller

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 μ 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 μ S/cm scale

2EZ-B7&8M - 0-3,000 / 0-6,000 dual μ S/cm scale

2EZ-B9M - 0-100 / 0-500 dual μ S/cm scale

2EZ-AL - 0-5,000 μ S/cm scale

2EZ-B7&8L - 0-10,000 μ S/cm scale

2EZ-B9L - 0-500 dual μ 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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