

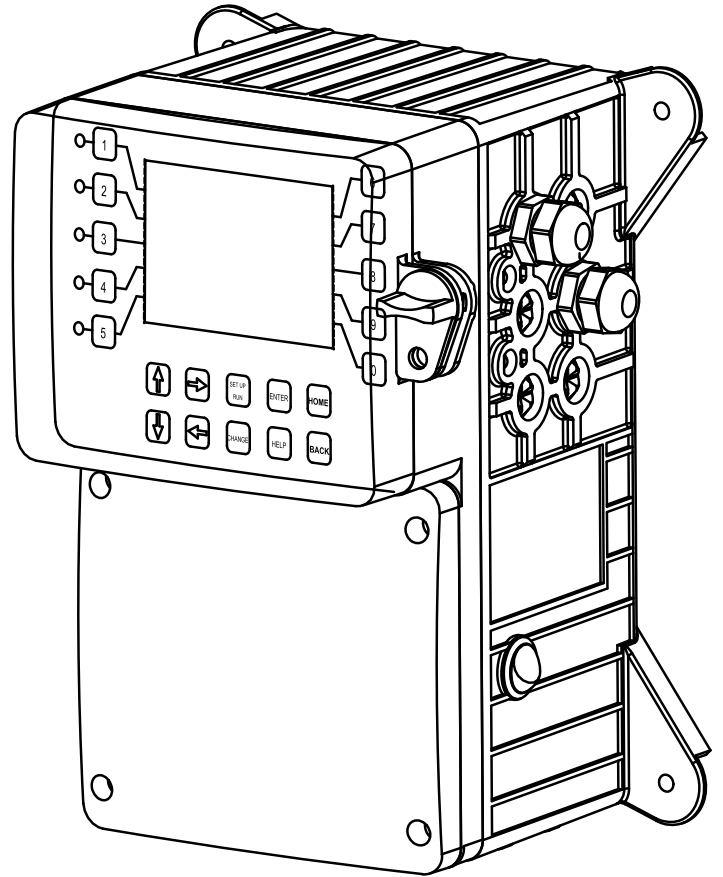


—Data Sheet—

MegaTron^{SS} Controller

Microprocessor Control of:

- Conductivity
- pH
- ORP
- Chemical Feed
- Biocide Feed
- Service Reports
- 4-20mA In & Outs



Key Features

- Customizable Display
- On Board History Graphs
- Simple ATM Style Menu
- One Point Calibration
- 5 Assignable Relays
- Relay Test Keys
- Customizable Notepad
- Multi-Level Security Code
- LSI or RSI Index Options
- Full Graphic LCD Display
- Internet Communication Options

Application

The MegaTron SS controllers offer all of the user friendly features of the original MegaTron at a more economical price for single water treatment systems.

Units can be configured to control a wide range of digital and analog inputs. Relay activation and names plus many other features are field selectable. The "Notepad" allows the input and history gathering of service report parameters.

MegaTron SS units can control a single cooling tower or boiler system with the most customization flexibility available.

Build a Model

The model number starts with **SS** followed by the code for each function needed for the first system. (**SSCPF3E**)

Once the main control functions have been selected, insert another - and list the desired common options. (**SSCPF3-H1**)

Conductivity Control (1 per system max)

- C** = TE-4A Standard Tower probe
- B1** = BE-4RTD Standard Boiler probe

PH Control (1 per system max)

- P** = TPE-21 Standard Tower probe

ORP Control (1 per system max)

- R** = TOE-21 Standard ORP probe

Feed Timers (max of 5 per system)

- F1 to F5** (F4 = Four feed timers)

Flow Switch

- E** = Flow Switch

OPTIONS

- A** - Conduit connection
- D** - Dry contact relays
- H1** - Internet connect communications
- N** - 4-20mA Inputs (N1-N2)
- O** - 4-20mA Outputs (O1- O3)
- S** - pH saturation indexes (with pH control)
- V** - 5 volt D.C. output with water meter wires
- Y** - Agency approval (ETL, US&C)

NOTES:

1. Feed timers are selectable (pulse, %, post blow down, limit and 28-day). A system with a timer will have two water meter inputs.
2. MegaTron SS controllers can have 3 probes max.
3. MegaTron SS controllers have **5 relays max.**
4. Contact Aqua for a complete option list.



Specifications

Electrical

- **Input:** 95-240 VAC, 50/60 Hz
 - **Control:** 230 VAC, 5 Amp Relay
- Prewired units are supplied with an eight foot power cord and 8" output receptacles.

Operational

- **Display:** 240 x 128 Graphic LCD
- **Conductivity Control:** 0-10,000 μ S/cm scale
Boiler sample method is selectable from continuous, timed sampling or sample and hold.
- **pH:** 0-14 scale
- **ORP:** +/- 1000 millivolts scale
The ORP setpoint can be tied to an optional 28-dayfeed timer as an override.
- **Accuracy:** +/- 1%
- **Feed Timers are all selectable from:**
 - Pulse** - water meter activated w/accumulator
 - Percent** - 1 - 100% of a cycle time.
 - Limit** - Limits feed with bleed
 - Post Bleed** - 1-100% of post bleed time with an over all limit.
 - 28 Day** - biocide timer.

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" 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
- **Temperature:**TC-1 150 psi / 140°F(58°C) Max

Boiler electrodes are supplied with 1" MNPT ss threads.

- **Conductivity:** BE-4RTD 350psi / 400°F(204°C)

Shipping Weight: Approximately 4kg

Dimensions: W 10" x H 12 " x D 7.25"

