

Strantr® System 3i Pool & Spa Chemistry Controller

Product Sheet

SIEMENS

The Strantr® System 3i controller is the new generation of basic chemical pool and spa controllers from Siemens. The Strantr® System3i controller is designed to provide the operator with a multiple line display for easier menu navigation and more upgrade options.

The Strantr® System 3i controller utilizes High Resolution Redox® sensing technology to directly measure the rate of oxidation in pool water regardless of the pH, temperature or bather load, feeding only the amount of chemicals needed. The controller responds continuously to actual pool conditions with precise chemical dosages resulting in pool water that is clear, nonirritating and safe.

Suitable for gas chlorine, liquid chlorine, stick bromine and a variety of feed devices. The Strantr® System 3i controller is designed for use on recirculated applications such as pools, spas, and fountains.



Benefits of the Strantr® System 3i Controller Include:

- Assures crystal clear pool and spa water 24 hours a day, every day of the year
- Cuts chemical costs up to 30%
- Extends life of pool surface, heater and other mechanical equipment
- Optional DC36 Module provides capability to datalog and record up to six controllers at one site
- Custom flowcell body for better sensor sampling

Inputs

Sensors

pH, HRR®, Temperature, Flow Switch

Display Range

pH 2 – 12, 0.1 resolution
HRR® Sensors 0 – 1000 mV, 1 mV
Temperature 32 – 150° F, 1° F resolution
(0 – 65° C, 1° C)
Derived ppm* .2 – 3, .6 – 6, or no ppm
ppm 0.2 – 3, 0.6 – 6, or no ppm

Outputs

Relays (5A @ 115 VAC) – 3 solid state relays
1 optional mechanical relay*
pH control for flow restored delay
HRR® control for flow restored delay
Sensor Wash
Alarm
Booster mode (UV systems)

Data Logging

The data logging frequency is selectable from 1 to 60 minutes

Communications

Direct *

9,600-57,600 bps data rate
RJ11 offset connection jack

Modem *

33,600 bps data rate
RJ11 connection jack
Status LEDs for ring and carrier

Ethernet (TCP)*

Network Port* RS485 @ 19,200 bps data rate

Physical Specifications

Dimensions

5.5" x 9.1" x 3.7" Controller
(139.7 x 231 x 94 mm)
5.5" x 9.1" x 3.7" Datalogger*
(139.7 x 231 x 94 mm)

Materials

Enclosures Light grey PC/PBT blended plastic with a UL94 – 5VA flammability rating

Meets UL® Standard 508, NEMA 4X and IEC529 – I.P 66 requirements

Non-metallic closing screws modified polyurethane door gasket, non-metallic wall mount brackets

Flowcell Body PVC
Flowcell Cover Clear, Acrylic
Sensor Polysulfone
28 mL inorganic electrolyte

Programmable Alarms

pH, HRR®, Temp
No Flow – Disables feed relay outputs
Chemical Overfeed – Disables feed pumps

Support Services

On-site Service
Annual Service Contract
5 year Limited Warranty on controller
2 year Limited Warranty on and pH, HRR® and Temperature sensors

General Information

Operation/Installation Manual

Standards & Certifications

Strantrol® controllers exceed the highest industry standards in the United States and abroad. Standards include UL Listed, CSA®, FCC, OSHA, and the newest European standard, CE.

Siemens Aquatic Quality Products

The Strantrol® System 3i controller is part of a full line of Siemens commercial pool and spa products. These include acid-free pH control systems, other water chemistry controllers, and chemical delivery systems.

*Optional

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