

Water Technologies

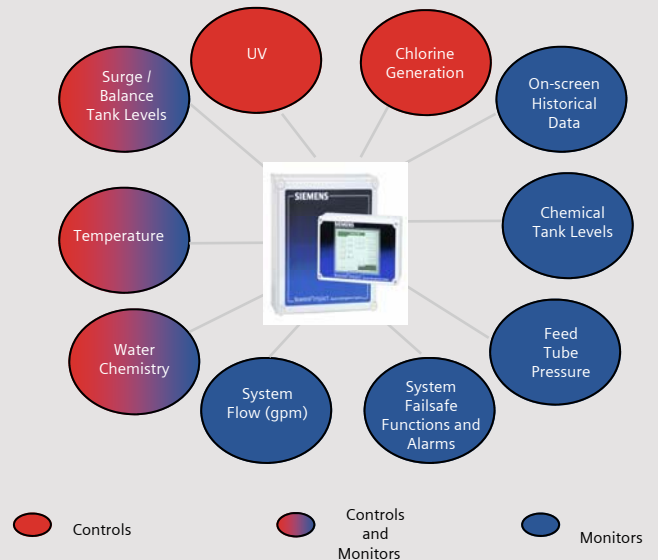
Strantrol® Impact Aquatic Management System

Data Sheet

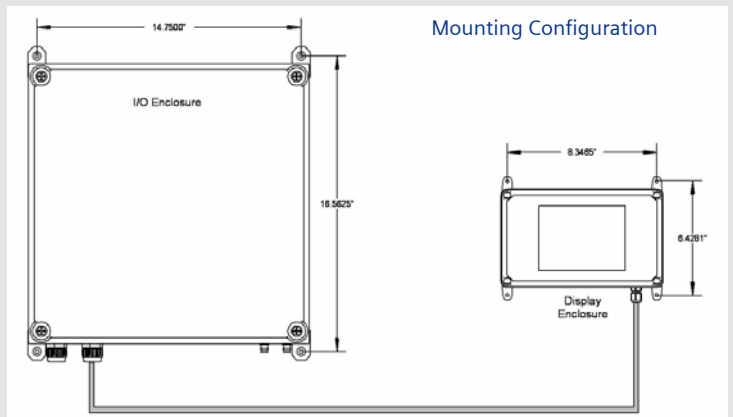
SIEMENS

The Strantrol® Impact Aquatic Management System controller is the beginning of a new generation of mechanical / chemical pool and spa controllers from Siemens Water Technologies. The Strantrol® Impact controller is designed to provide the operator with easy menu navigation, detailed help screens and a remote touch screen for custom accessibility. The modularity of the Strantrol® Impact system allows for more upgrade options.

The Strantrol® Impact controller has the ability to control one or two bodies of water. The controller features include demand-based chlorine feed utilizing patented Enhanced Time-Based Proportioning and automated fecal recovery, which will control the body of water at a higher ppm or HRR® sensing level in the event of a fecal accident.



Remote Display with Strantrol® Impact Controller



Inputs (Single or Dual Pool Control)

Sensors

pH (temperature compensated), HRR®, Temperature, Flow Switch, ppm*, Flow Sensor*, Surge Tank*, pH Level*, Cl₂ Level*, pH Feed Tube Pressure* or Cl₂ Feed Tube Pressure*

Display Ranges

pH	2-12 0.1 resolution
HRR® Sensors	0-1000mV 1mV
Temperature	32-150° F 1° F resolution 0-65° C 1° C resolution
ppm*	0-20 0.1 ppm resolution
Flow Rate*	0-9,00,000 Gallons 1,000 Gallons resolution 0-1,800 m³/h 1 m³/h resolution
Surge Tank Level*	Switch contact
pH Level*	0-100 ft, 0-1,000 lbs 0.1 ft, 0.1 lbs resolution 0-30 m, 0-450 kg 0.1 m, 0.1 kg resolution
Cl ₂ Level*	0-100 ft, 0-1,000 lbs 0.1 ft, 0.1 lbs resolution 0-30 m, 0-450 kg 0.1 m, 0.1 kg resolution
pH Feed Tube Pressure*	0-200 psi 0.1 psi resolution 0-13.7 bar 0.1 bar resolution
Cl ₂ Feed Tube Pressure*	0-200 psi 0.1 psi resolution 0-13.7 bar 0.1 bar resolution

Outputs (Single or Dual Pool Control)

Relays (5A @ 115 VAC) - 4 or 8 solid state relays for single or dual pool control

pH control
HRR® control with ppm backup
Heater Control
Alarm
No Flow Alarm
Auxiliary (booster pump)
Sensor Wash*
Surge Tank Autofill*
Recirculation Protect control*
Automated Fecal Recovery*
4 additional solid state relays (5A @ 115 VAC) per pool*
Cl₂ Booster

Data Logging (Single or Dual Pool Control)

The data logging frequency is selectable from 1 to 60 minutes

Communications (Single or Dual Pool Control)

Direct	9600-57,600 bps; RJ11 offset connection jack
Modem* RJ11	33,600 bps data rate; connection jack
Network Port*	RS485 @ 19,200 bps
MODBUS Upgrade	Upload site specific parameters to make setup less time consuming

Security Passwords

Operator (6)
Managers (2)
Representative (1)

Physical Specifications

Dimensions	(H x W x D)
Controller	15.7" x 15.7" x 6.7" 399 x 399 x 170 mm
Remote Display Box	5.5" x 9.1" x 3.7" 139.7 x 231 x 94 mm
Touch Screen	6", 152.4 mm

Materials

Enclosures	Light grey PC/PBT blended plastic with a UL® 94-5VA flammability rating
	Meets UL® Standard 508, NEMA® 4X and IEC529—I.P 66
	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, ppm*
No Flow – Disables feed relay outputs
Chemical Overfeed – Disables feed pumps
Flow Restored Delay
LSI / Ryznar
pH Level*
Cl₂ Level*
Flow Rate*
pH Feed Tube Pressure*
Cl₂ Feed Tube Pressure*
Page Out Alarm—Modem*
E-mail Out Alarm—Network Port*

Support Services

On-site Service
Annual Service Contract
5 year Limited Warranty on controller
2 year Limited Warranty on sensors

General Information

Operation/Installation Manual

Standards & Certifications

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

*Optional

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