

# Strantrol® Impact Aquatic Management System

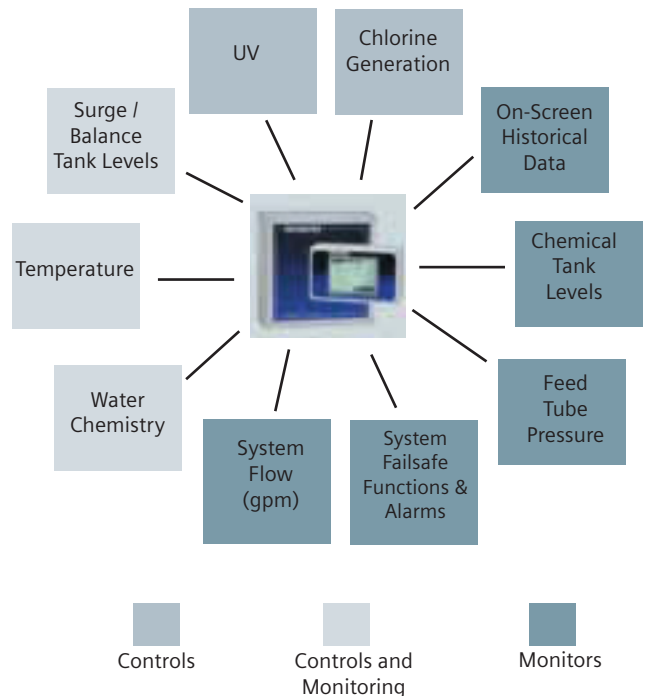
## Product Description

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.



## Mounting Configuration



## Data Sheet

## Inputs (Single or Dual Pool Control)

### Sensors

pH, HRR®, Temperature, Flow Switch, ppm\*, Flow Sensor\*, Surge Tank\*, pH Level\*, Cl<sub>2</sub> Level\*, pH Feed Tube Pressure\* or Cl<sub>2</sub> Feed Tube Pressure\*

### Display Range

pH	2-12 0.1 resolution
HRR®	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*	0-900,000 gals 1,000 gals resolution 0-1,800 m <sup>3</sup> /h 1 m <sup>3</sup> /h resolution
Surge Tank Level*	Switch Contact
pH Level*	0-100 ft, 0-1,000 lbs 0.1ft, 0.1 lbs. resolution 0-30 m, 0-450 kg 0.1m, 0.1 kg resolution
Cl <sub>2</sub> Level*	0-100 ft, 0-1,000 lbs 0.1ft, 0.1 lbs. resolution 0-30 m, 0-450 kg 0.1m, 0.1 kg resolution
pH Feed Tube Pressure	0-200 psi 0.1 psi resolution 0-13.7 bar 0.1 bar resolution
Cl <sub>2</sub> 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® sensor 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\*  
Cl<sub>2</sub> Booster (Salt Systems)

### 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*	9600-57,6000 bps RJ11 offset connection jack
Modem*	33,600 bps data rate RJ11 connection jack
Network Port	RS485 @ 19,200 bps
WI FI	Compatible

### Security Passwords

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

### Physical Specifications

<b>Dimensions</b>	
Controller	15.7" x 15.7" x 6.7" 399 x 399 x 170 mm
Remote Display	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 28mL 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\*  
Cl<sub>2</sub> Level\*  
Flow Rate\*  
pH Feed Tube Pressure\*  
Cl<sub>2</sub> 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

Strantrol® 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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