

# Chemtrol® CT110

## PROGRAMMABLE CONTROLLER

Automated Water Treatment for  
Cooling Towers, Boilers & Wastewater

## SIMPLE, RELIABLE AND FLEXIBLE

The Chemtrol® CT110 Programmable Controller features advanced microprocessor-based technology that introduces a brand new standard of sophistication in automated water treatment. Applications include cooling towers, boilers, industrial process water, food processing, drinking water and wastewater treatment. Easy to install and operate and featuring true duplex remote operation, all information appears on a large 8-line LED display, with choice of English, Spanish or French. Engineering units can be displayed in either U.S. or metric values. Entries are made using the 16-button, front-panel keypad. Each unit comes with an instruction manual and the security of a 5-year electronics warranty.



**SANTA BARBARA  
CONTROL SYSTEMS**

Leaders in Automated Water Treatment Since 1976  
800-621-2279 | 805-683-8833 | sbcontrol.com



## TECHNICAL SUPPORT

Receive immediate tech support. Our webserver communication enables immediate technical support remotely from our service department or with a Qualified Dealer. Call 1-800-621-2279 or email [sales@sbcontrol.com](mailto:sales@sbcontrol.com).

## STANDARD FEATURES

- Conductivity control with choice of bleed programs
- pH control option with automatic acid and base feed
- ORP control option with automatic oxidizer or reducer feed
- Temperature compensation
- Dynamic probe testing with sensor failure warning
- Choice of 1- or 2-point calibration for all sensors
- Three additive chemical feed programs & chemical alarm level
- Langelier saturation index for water balance
- On-board automatic data logging with adjustable intervals
- Micro SD card easy data log downloads
- Makeup and bleed watermeter input

## AVAILABLE OPTIONS

- ☐ Free Chlorine control
- ☐ Free Bromine control
- ☐ Chlorine Dioxide control
- ☐ Peracetic acid control
- ☐ Webserver remote through Chemtrol® App
- ☐ Water flowmeter inputs
- ☐ Tank level monitoring
- ☐ Influent / Effluent pressure monitoring
- ☐ Fluorometer

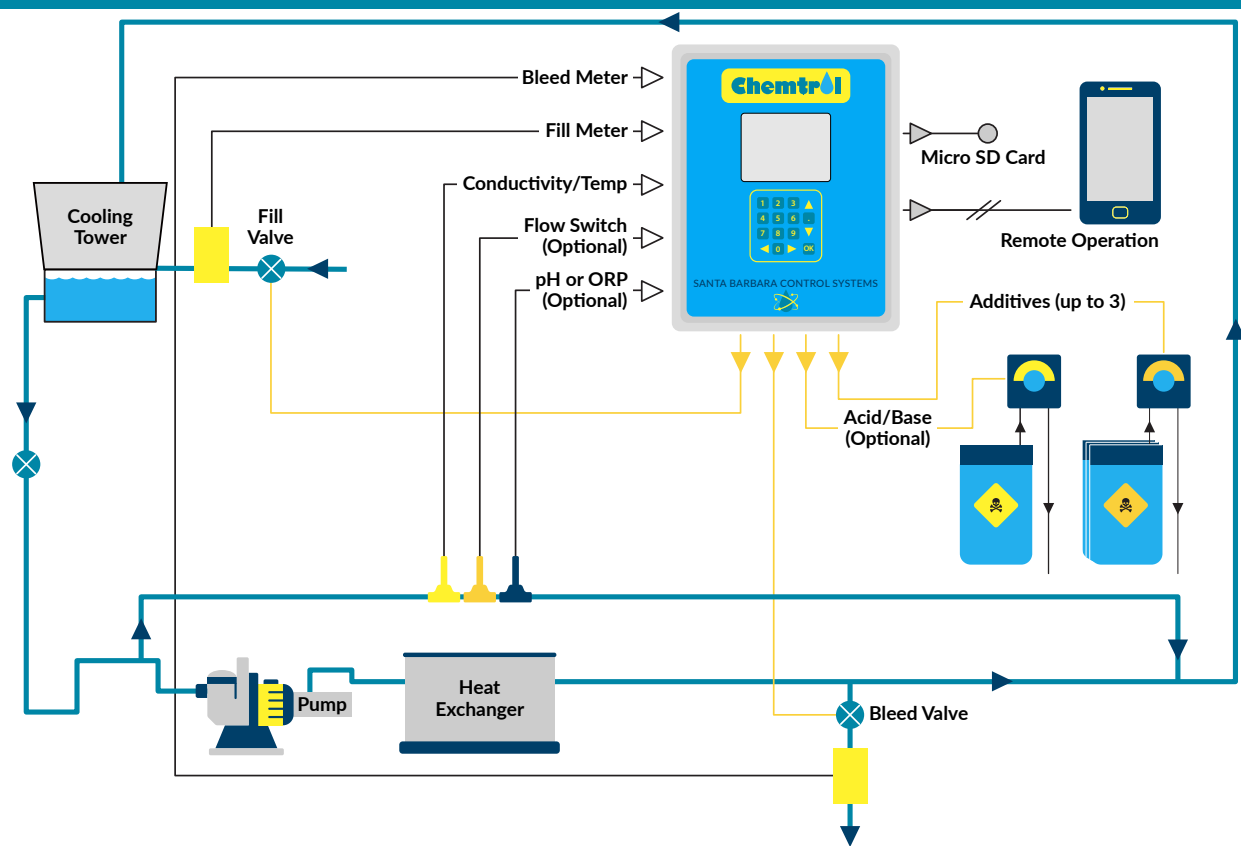


Remote Computer Operation

# Chemtrol<sup>®</sup> CT110

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### SPECIFICATIONS

TDS	0-2000, 0-20,000 uS/cm or ppm	Conversion factor for Conductivity
ORP Control	200-999mV	Setpoint for oxidizer or reducer; programmable shock treatment and chemical savings cycles
pH Control	0-14	Setpoint for acid or base feed
Sanitizer	0-10 ppm, 0-2 ppm, 20-200 ppm	PAA, Chlorine dioxide, Bromine available
Temperature	0 to 140 F (-18 to 60C)	
Sensor Calibration	1 or 2 points	
Control Modes	Off, manual, proportional (pH only), automatic, timer, bleed & feed, bleed-then-feed, 2-week schedule	
Langelier Index	-.5 to +.5 programmable	Calculated from pH, temp, total alkalinity & calcium hardness
Alarms	High, low, out of range, overfeed & total run time	Patented Probe Alert Safeguard provides visual, audio, and external alarms
Data Logging	Onboard memory up to 999 tests	Micro SD Card for local download
BMS*	Webserver communication / 4-20mA Bacnet, Modbus, LON	Remote software & graphics display
Warranty	5 year electronics / 1 year sensors	
Electrical	10 A/110 or 230 V with selector switch	All output and alarm relays 5A
Mechanical	12 x 10 x 6 in (305 x 254 x 152 mm)	NEMA 4X fiberglass cabinet
Shipping	16 x 16 x 12 in (41 x 41 x 31 cm) 13 lbs/6.0 kg	Carton
Approvals	UL, NSF 50 and CSA Approved	



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### THE CHEMTROL GUARANTEE

Every unit we make is supplied with a comprehensive operation manual and is backed by our five year electronics warranty. Our customer support department is second to none, providing the technical support you need - and we've been part of over 100,000 installations worldwide.