

# MODEL 1575e COOLING WATER CONTROLLER



The Model 1575e uses the latest in microprocessor capability, giving the user a high level of application flexibility. A large illuminated graphics screen, multiple inputs, and very easy setup characterize this new technology. The Model 1575e is UL/CSA/CE approved.

## FEATURES

Use this Controller for Cooling towers, Chill loops, Boilers, and Condensate systems.

Removable power cord and receptacles for simple conduit installations.

Scheduled feed, which can use three relays for biocides or other chemicals.

Two (2) water meter inputs, two (2) drum switch inputs, conductivity input, flow switch input, 4-20 mA output, and remote conductivity input via 4-20 mA are all standard features.

Ball valve delay feature allows accurate control of motorized ball valves.

Heavy-duty stainless steel domed numeric keypad and illuminated graphical display allow for quick and easy programming.

Steel domed switches improve the tactile sensing and life expectancy of the keypad.

LED indicators for power, alarm and relay status.

## BENEFITS

Easy to program, the Model 1575e Controller menu is just like the Lakewood 2000 Series controllers.

Controller can be removed from a cooling tower and be placed in another type of application when used with the appropriate conductivity sensor.

Single circuit board design improves reliability. No add-on options. 4-20 mA output and biocide clock features are standard.

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## SPECIFICATIONS

<b>Conductivity range</b>	50-10,000 $\mu$ S for cooling towers
<b>Conductivity sensor</b>	2 electrode
<b>Conductivity Resolution</b>	$\pm 10 \mu$ S (conductivity <5000 $\mu$ S) $\pm 100 \mu$ S (conductivity > 5000 $\mu$ S)
<b>Temperature comp.</b>	Automatic
<b>Accuracy &amp; repeatability</b>	$\pm 1.0\%$
<b>Deadband/Setpoint</b>	Programmable
<b>Auto/Manual outputs</b>	Menu selectable
<b>Keypad</b>	16 tactile push-buttons
<b>Display</b>	illuminated 128x64 pixel LCD
<b>Drum Switch Inputs</b>	2 digital contact inputs
<b>Water meter inputs (2)</b>	Contact head, paddle wheel or turbine
<b>Timers</b>	Max. blowdown time exceeded and relay run time exceeded
<b>Output Signal</b>	One 4 - 20 mA, isolated or non-isolated optionally powered output for conductivity
<b>Input Signal</b>	One 4-20 mA, non-isolated internally powered input for conductivity
<b>Output relays</b>	4, 3 selectable use, 1 blowdown
<b>Relay ratings</b>	3A each, 10A total
<b>Power</b>	120/240 VAC 50/60 Hz
<b>Ambient</b>	32° - 120°F (0 - 49°C)
<b>Enclosure</b>	

<b>Sensors/Plumbing</b>	<b>Cooling Tower</b>	<b>Boiler</b>	<b>Condensate</b>
Max Pressure (at 100°F)	140 psi (9.65 bar)@ 100 °F	600 psi (41.3 bar)	70 psi (4.8 bar)
Max Temp	140°F (60°C)		486°F (252°C) 392°F (200°C)
Min flow	1 gpm (3.785 Lpm)	Varies w/orifice plate	1 gpm (3.785 Lpm)

## Ordering Options

### Controller Options

<b>Part #</b>	<b>Description</b>
1239594	Controller Model 140 controller only
1239595	Controller Model 140, w/sensor and plumbing tee
1239596	Controller Model 140, w/sensor and flow switch plumbing
1239597	Controller Model 140, w/sensor and flow switch plumbing on a mounting plate

### Cooling Tower Flow Switch Cooling Tower Sensor Tee Conductivity Sensor

Plumbing w/Sensor  
 1167158 Cooling Tower sensor with 20 ft of cable.  
 1169440 Plumbing Tee.  
 1107003 Flow Switch Plumbing.



**1107003** Cooling Tower Flow Switch Plumbing



**1167214** Cooling Tower Sensor Tee



**1167158** Cooling Tower Sensor with 20 ft cable

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