LAKEWOOD INSTRUMENTS MODEL 140 WATER TREATMENT CONTROLLER



The Model 140 uses the latest in microprocessor capability, giving the user a high level of application flexibility. Multiple inputs and very easy setup characterize this new technology. Water meters, sensors and plumbing assemblies are purchased separately.

PART NUMBER 1239597 SHOWN

Cooling Tower Water Treatment Controller W/Sensor and Flow Switch Plumbing on a Mounting Plate

FEATURES

- Use this Controller for cooling towers.
- Removable power cord and receptacles for simple conduit installations.
- Scheduled feed, which can use two relays for biocides or other chemicals.
- One (1) water meter input, conductivity input, flow switch input, and 4-20 mA output are all standard features.
- Designed with a single circuit board for better reliability and lower cost.
- Large open shallow enclosure for easy wiring.
- The enclosure is rated NEMA 4X.
- Power selector switch for 115 or 230 vac operation.
- 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 with the Lakewood plain English, intuitive, and user friendly menu interface.
- Single circuit board design improves reliability.
- No add-on options. 4-20 mA output and biocide features are standard.
- Multiple methods of chemical feed for application flexibility.

SPECIFICATIONS

Conductivity range Conductivity sensor Conductivity Resolution Temperature comp. Accuracy & repeatability Deadband/Setpoint Auto/Manual outputs Keypad

Display Water meter input 0-10,000 μS
2 electrode
± 10 μS
500 ohm NTC
± 1.0%
Adjustable
Menu selectable
16 tactile pushbuttons
16 X 2 Character
Contact head, paddle
wheel or turbine

Output Signal
Output relays
Relay ratings
Power
Ambient
Water temperature
Pressure
Enclosure

Timer

Max. blowdown time exceeded, relay time exceeded
One 4 – 20 mA, isolated or nonisolated optionally powered
2 selectable use, 1 blowdown
3A each, 10A total
120/240 VAC 50/60 Hz
32° - 120°F (0 - 49°C)
32°- 140°F (0 - 49°C)
140 psi @ 100°
NEMA 4X
CSA and ANSI/UL

ORDERING OPTIONS

Controller Options

1239594	Cooling Tower Water Treatment Controller Only. (No Sensor or Plumbing).
1239595	Cooling Tower Water Treatment Controller, Including Sensor Tee and Conductivity Sensor.
1239596	Cooling Tower Water Treatment Controller, Including Flow Switch Plumbing and Conductivity Sensor.
1239597	Cooling Tower Water Treatment Controller, Including Flow Switch Plumbing and Conductivity Sensor on a Mounting Plate (12 X 18).

Cooling Tower Options



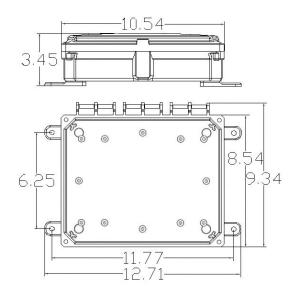
1107003 Cooling Tower Flow Switch Plumbing



1167214 Cooling Tower Sensor Tee



1167158 Cooling Tower Sensor with 20 ft cable



MODEL 140

PART NO.	DESCRIPTION
1239595 1239596 1239597	140 with cooling tower sensor tee and sensor 140 with cooling tower flowswitch and sensor 140 with cooling tower FS and sensor on mounting plate
PART NO.	CONDUCTIVITY COOLING TOWER CONTROLLER
1239594	140 controller only, no sensor
PART NO.	COOLING TOWER COMPONENTS
1167158 1167157 1169207 1167214 1107003	Sensor, Conductivity 2 elec w/20 ft Cable Sensor, Conductivity 2 elec w/2 ft Cable Sensor, Conductivity, 2 elec 4ft body Plumbing, tee, 3/4 inch NPT Plumbing, with 20' FS, remote plumbing
PART NO.	REPLACEMENT PARTS
1166418 1169740 1107004 1167266 1167234 1107003	O-Ring, for sensor and/or flow sight, set of 10 Red Ring replacement Kit set of two Reed Switch w/20 ft of cable Flow Sight set of five Flow Float set of five Plumbing, with 20' FS, remote plumbing