NEW ProMtrac Controller

Cooling Tower Controller

Cooling Tower controller with intuitive rotary interface provides simple menu navigation while offering flexibility and reliable control. The Start Up Wizard makes programming fast and easy. Comprehensive, pre-configured programming is also available at no additional cost using the latest innovation, Plug & Feed.

Features & Benefits

- LED Alarm status indicator
- Rotary interface with menu selectable push button keys
- Start Up Wizard for fast and easy programming
- Data logging with USB drive
- Browser command & control
- 4 Analog inputs with flexible offering:
  - 2 Conductivity inputs for cycle control
  - 1 pH or ORP input
  - 1 Fluorometer input with ppb control
- 3 Digital inputs:
  - Makeup water meter
  - Bleed water meter
  - One configurable contact set
- 5 Relays with LED indicators and customizable faceplate descriptions:
  - 1 standard powered solenoid or motorized ball valve
  - 4 configurable relays
  - LED indicators for system status
- Up to two 4-20 mA outputs
- User selectable thermal or mechanical flow switch
- Load fuse alarm
# ProMtrac Controller

## Identcode & Ordering Information

<table>
<thead>
<tr>
<th>PRMT</th>
<th>Version:</th>
<th>A</th>
</tr>
</thead>
</table>

**Enclosure Type:**
- 0: Standard

**pH/ ORP Sensor:**
- 0: None
- 1: pH
- 2: ORP

**4-20mA Analog Input:**
- 0: None
- 1: One

**4-20 mA Analog Output:**
- 0: None
- 1: One
- 2: Two

**Make-up Conductivity Sensor:**
- 0: None
- 1: One

**Power Cord:**
- 0: None
- 1: US Standard 115 V
- 2: 230 VAC North American Plug

**Umbilical Outlets:**
- 0: None
- 1: Quad-Box 115 VAC
- 2: Four Outlet Cords 115 VAC

**Expansion:**
- 0: None

**Remote Communications:**
- 0: None

**Accessories:**
- 0: None

**Execution:**
- 0: Standard

**Language:**
- 0: English

**Approval:**
- 0: Standard
### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7500979</td>
<td>Low pressure CTF conductivity/temperature/flow assembly, 125 psi (sensor only 7761529)</td>
</tr>
<tr>
<td>7500980</td>
<td>High pressure CTF conductivity/temperature/flow assembly, 300 psi (sensor only 7761533)</td>
</tr>
<tr>
<td>7760768</td>
<td>ORP sensor (RHEP OI-SE) (sensor only 150094)</td>
</tr>
<tr>
<td>7760729</td>
<td>pH sensor (PHED 112 SE) (sensor only 741036)</td>
</tr>
<tr>
<td>7500727</td>
<td>In-Line Fluorometer</td>
</tr>
<tr>
<td>7500850</td>
<td>Fuse</td>
</tr>
<tr>
<td>7501032</td>
<td>Programmed CII driver card</td>
</tr>
<tr>
<td>7501031</td>
<td>Programmed main board</td>
</tr>
<tr>
<td>7500790</td>
<td>4-20 mA driver output card</td>
</tr>
<tr>
<td>7500791</td>
<td>pH or ORP driver card</td>
</tr>
</tbody>
</table>

### Dimensions

**ProMtrac Package**
NEW ProMtrac Controller

Specifications

Inputs

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>115/230 VAC, 50-60HZ, 5 amp</td>
</tr>
<tr>
<td>Conductivity Sensor #1</td>
<td>Tower conductivity sensor includes integral temperature and flow sensors</td>
</tr>
<tr>
<td>Conductivity Sensor #2</td>
<td>Make-up water conductivity sensor includes integral temperature and flow sensors</td>
</tr>
<tr>
<td>pH/ORP Sensor</td>
<td>ProMtrac can be configured with either a pH or ORP probe</td>
</tr>
<tr>
<td>Flow Meter #1</td>
<td>Accepts paddlewheel pulse output flow sensor</td>
</tr>
<tr>
<td>Flow Meter #2</td>
<td>Accepts paddlewheel pulse output flow sensor</td>
</tr>
<tr>
<td>4-20mA</td>
<td>For use with loop powered fluorometer. ProMtrac has internal power supply for sensor.</td>
</tr>
</tbody>
</table>

Outputs

- 4 Mechanical Relays, Form A dry contact with optional 115/230 VAC, 5 Amp power available
- 1 Relay dedicated for bleed valve

(Note: Total load for all five relays fused at 5 Amp total. Motor driven pumps will require interposing starter.)

- 4-20mA, 300 Ohm resistive
  - Can be configured to represent conductivity, pH or ORP

USB Features

- Controller configuration
  - Configuration file can be uploaded quickly and easily from memory stick
- Operational Datalog:
  - Signal values
  - Relays status
  - Analog value(s)
  - Time stamp
- Data easily imports into spreadsheet

Ethernet

- 10/100 Base T, TCP/IP Ethernet LAN HTML micro web server with user definable IP address

Mechanical

- Enclosure: Polycarbonate NEMA 4X (IP65)
- Display: 4 x 20 character backlit liquid crystal
- Shipping weight: 7 lbs (3 kg) (approximately)

Sensor manifold/backpanel option

- Connections: ¾” NPTF
- Temperature: 140°F (60°C)