



## Proton Controls

# Chiller Applications



### All-in-one Controller: Keeping it Simple

The PL-M2000-CHL effectively controls ALL components of a light commercial chiller system. Whether it be multiple chiller stages, pumps and their variable frequency drives, pump status' and sensors, it all connects to a single controller! Everything connects to a single controller and every input and output is preset out of the box, allowing true plug-and-play operation.



### Configure in a Matter of Minutes: Save Time and Money

The PL-M2000-CHL is a highly configurable controller, combining schedules, pump control, chiller control, loop temperature reset and alarming; all accessible from a single access point. View and configure your entire system in real time with animated graphics, using either the free Proton Focus Software or the Focus Mobile App (for Android and iOS devices).



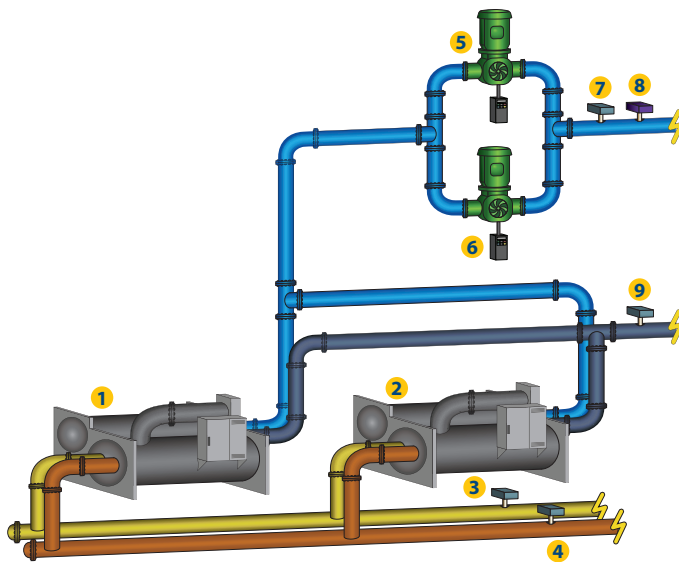
### Versatile Configurations: Air Cooled or Water Cooled Chillers

The PL-M2000-CHL controller is capable of managing both Air Cooled Chillers or Water Cooled Chillers. No matter the type of chilled water installation in your building, this versatile controller can easily adapt to the most common installations, each configuration type with their own set of specific sequences, interlocks and safeties.



### Remote Access and Email Alerts: Keeping an Eye on Your System

When combined with Proton's Network Controller, feel the power of true connectivity as you can access the PL-M2000-CHL controller remotely to monitor and configure any parameter. Want to receive notifications? Configuring email alerts is a breeze; it will take less than 5 minutes, guaranteed!



### Controlled / Monitored with a PL-M2000-CHL

- 1 Chiller #1
- 2 Chiller #2
- 3 Entering Condenser Water Temperature Sensor
- 4 Leaving Condenser Water Temperature Sensor
- 5 Pumps
- 6 Variable Frequency Drive for pumps
- 7 Chilled Water Supply Temperature Sensor
- 8 Pressure transmitter
- 9 Chiller Water Return Temperature Sensor

## Prolon Controls

# Chiller Features



## PL-M2000-CHL Chiller Controller

- Control 1 or 2 pumps, complete with lead/lag and equal runtime sequences.
- Maintain water pressure by controlling variable frequency drives on each configured pump.
- Control up to 4 chiller stages
- Chiller stages also have lead/lag and equal runtime sequences.
- Fixed temperature setpoint – OR – Reset temperature setpoint based on Outside Air Temperature, Return Temperature or Zone Demand.
- Pump exercise sequence for periods of inactivity.
- Configurable schedules and calendars
- Manual/Off/Auto switches for each output



## Monitor Your Chiller Remotely Using Focus

Prolon's FREE Focus visualization software is now available as an app for both Apple and Android devices! Fully animated graphics and total configuration capabilities from your wireless device allow you the freedom to monitor your system anywhere, anytime. Say goodbye to unnecessary service calls and hello to proactive responses by adding email alerts for another layer of control. Complete power from the palm of your hand... **That's Prolon Focus!**