CYCLING STEAM HEATING CONTROLS

With • Motorized Valve or Burner Control

- Internet, BACnet, Phone, RS232 Communication
- Separate Day/Night Schedule settings

Description:

A unique Microprocessor Based Control to manage a Steam Boiler or a Two-way Steam Valve in Steam Heating Applications Based on System Temperature and Outdoor Temperature. The MPC Control provides buildings with comfortable, even heat, while maximizing fuel savings. In addition, it incorporates many features that can be customized to each building's unique characteristics.

- Designed with Steam Heating in Mind. The MPC control
 is designed to utilize either a steam boiler or district steam.
 Each of these options has a set of pre-configured, but
 adjustable settings to meet the specific needs of each building.
 The MPC will reduce fuel costs while maintaining a more
 comfortable space temperature.
- Multiple Day and Night Schedules. The control has
 multiple adjustable day and night settings to help reduce fuel
 consumption. This includes a built-in, 7 day programmable
 schedule, with 4 Day settings and 4 Night Setback settings
 per day, to customize operation for even further temperature
 control and fuel savings.
- Boost and Vari-Boost. To assist a building in recovering
 quickly to comfortable temperatures after the cooler night
 period, the control has a built-in Boost feature. The Boost
 allows the boiler to run on its limits for a calculated time
 period based on outdoor temperature and warm-up setting.
 This allows the temperature within the building to rise rapidly.
- Output Relay & Multiple Auxiliary Outputs. Utilizing the
 integrated system relay and multiple auxiliary outputs, the
 MPC Platinum can be configured to activate or de-activate
 additional equipment or controls based on any of the MPC
 cycle operation or on an independent programmable schedule
 (using the Aux Schedule settings).
- *Vari-Boost with Early Shut Down*. Another saving feature, the MPC Platinum allows office buildings to switch to Night (save) mode earlier than scheduled. The ESD (Early Shut Down) feature takes into consideration the residual heat in the building and outdoor temperature.





- Optional Remote Communication with or without Modem, Internet Connection Package. Imagine being able to not just control your building heat from anywhere, but to be able to see boiler and valve status, cycle and temperature logs. In addition, you will be able to change schedules, set and monitor wireless and hard wired sensors, configure and receive alarms, configure and view histories, activate or deactivate sensors, and more. Well, imagine no more. The MPC Platinum can be ordered with any of the communication packages that fit your needs. With the optional Visual Gold Plus or the Internet communication packages you can configure, set alarms and monitor a variety of sensors ranging from wireless, water meter, oil level, temperature, switch, and stack sensors.
- *BACnet IP Communication*. With the BACnet option, an MPC Platinum can act as node in a BACnet network. A proprietary communication EMS/BMS can use their BACnet integration to place the MPC on their network.
- Memory. With a built-in E Prom, the MPC Platinum will
 never lose your settings even after a power outage or loss of
 battery power.



Ask About The Internet or The BACnet Communication Options





- Digital Display for all System Settings. The MPC Platinum's 80 character alphanumeric digital display names each system parameter in plain English and shows its precise value. The easy to follow menu system allows users to quickly make changes to any system setting without having to learn any specialized codes or keyboard commands. Password protection is available to prevent unauthorized users from making adjustments to control settings.
- Communicate with EMS (Energy Management Systems) (Requires RI-EMS optional communication Package). The MPC Platinum is capable of receiving and sending information to Energy Management Systems using XML code. In addition, with built-in Shutdown and Prove inputs, the MPC Platinum is capable of connecting to and being controlled by an EMS or other controller.

Features:

Standard Features

- Built-in Outdoor Reset-For better comfort and increased energy savings, the MPC controls building temperature by varying the Cycle-On to Cycle-Off time based on Outdoor temperature.
- Adjustable System Run-On Delay. Allows the System Relay an additional Run-On time to disburse residual heat in the boiler. Thus, reducing boiler stand-by loss.
- Day (Normal)/Night (Save) modes For additional savings, the MPC Platinum can control two independent heating modes with different Heat Adjustments and Outdoor Cutoffs based on a programmable schedule for Day (Normal) and Night (Save)
- Built-in Prove and Shutdown -The Prove can be used to check the status of other equipment, such as the end switch on a combustion air damper prior to firing the boiler. The Shutdown can be used to deactivate the system.
- Bypass- Allow installers and contractors to test and override control settings when needed.
- Season changes (Summer / Winter) Controls whether the boiler will operate and provide heat.
- Manual Shift- Allows for a temporary adjustable override of boiler operating schedule by switching from Day (Normal) to Night (Save) or the opposite.
- Control other devices or Equipment With the Aux Clock output you'll have the ability to turn on or off other equipment on a customized secondary schedule. The schedule has a customizable 4 On and 4 Off settings per day.
- Fast Cycle Another handy troubleshooting feature. It allows the control to cycle based on seconds instead of minutes.
- Thermal Lockout saves energy by preventing the MPC Platinum from starting a new cycle when system temperature is still hot.

Remote Communication

- Remote Communication Option- Now you can connect your MPC Platinum panel to the Internet, a BACnet compatible network, or to Visual Gold software package using an RS232 connection or a modem and be able to read, change, monitor, and analyze your readings in a variety of ways from virtually anywhere.
- Use Existing Sensors and/or Wireless Sensors and MIG Sensors (Additional sensor capability is available with Visual Gold or Internet Communication Packages.)
- Connect as many as 64 sensors to the panel The panel, when purchased as an Internet or with Visual Gold, it can monitor up to 64 additional sensors. Some of these sensors can monitor fuel levels, stack temperature, or smoke detectors. You can even connect your panel to a MIG box (multi-sensor neuron processor.)
- The MPC can communicate with EMS and other systems via XML (Extensible Markup Language).
- Space Lockout saves energy by preventing the MPC Platinum from starting a new cycle when space temperature is still warm.

Interface with Other Controls

- Can connect to a Multi-MOD control When connected to the Multi-Mod it will control up to 4 modulating boilers. An additional 16 boilers can be added by using Extension Panels.
- Interface with EMS / Energy Management Systems- The MPC Platinum can be enabled / disabled via EMS.

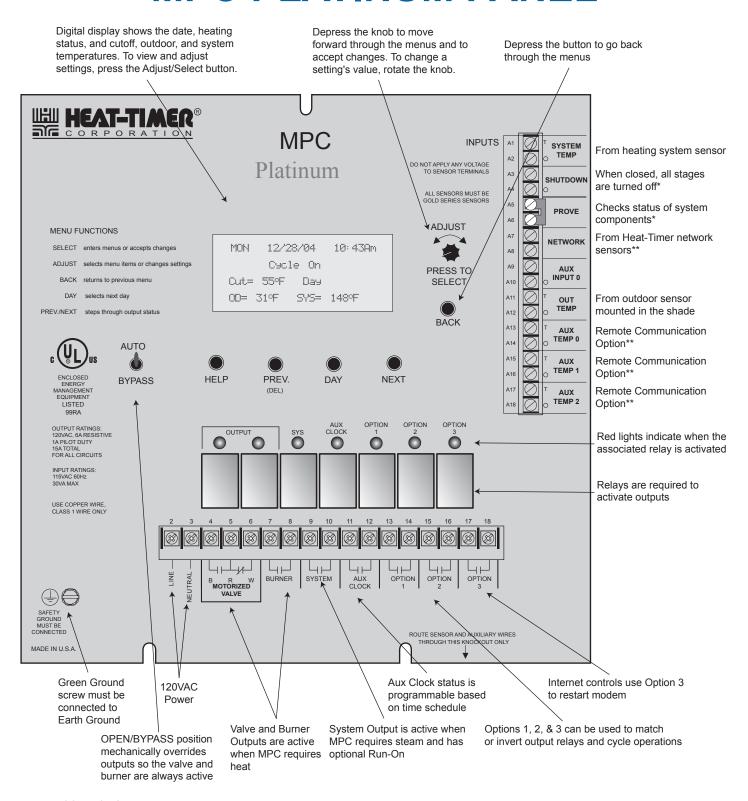


Specifications: Voltage Input: Boiler Motorized Valve Outputs: 1 N.O. S.P.S.T. for Motorized Valve and 1 N.O. S.P.S.T. for Burner Option Outputs: 3 N.O. S.P.S.T. can be configured to match or invert cycle, Day/Night, Outdoor Cutoffs, or System or Aux/Clock relay operations Heating system sensor - minus 35°F to 250°F **Day/ Night Heat Adjustments:** A to P (Changes the ratio of the Cycle On to Cycle Off based on a calculated curve) Manual Boost - adjustable from 0 to 120 minutes Early Shutdown - Self-adjusting from 0 to 90 minutes Fast Cycle: Local Security: Four letter Password Enabled option Power Backup: Lithium coin battery, 100 days minimum 5 year replacement (Maintains Clock in power outages) Other parameters are stored in E Prom Remote Communications: 1 RS232 and 1 RS485 (RI and RIM controls), Internet (RINet only), BACnet IP Season: Winter and Summer Remote Communication Specifications: Thermal Lockout:

Item Description	Part #
MPC Platinum	926785-00
MPC Platinum with Visual Gold Plus with Modem	926785-RIM
MPC Platinum with Visual Gold Plus without Modem	926785-RI
MPC Platinum - Internet	926785-RINet
MPC Platinum - BACnet IP	926785-BAC



MPC PLATINUM PANEL



^{*} DRY CONTACT ONLY

ISO 9001:2000 CERTIFIED



^{**} Only available with the Remote Communications package