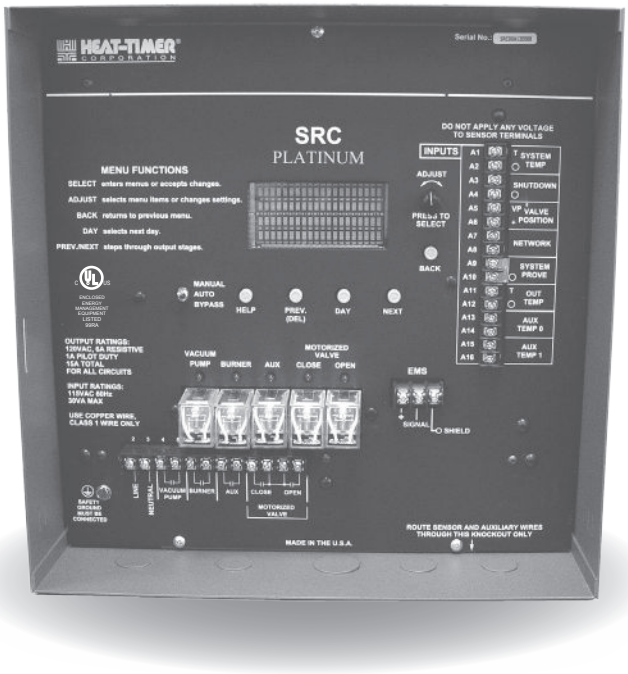
VACUUM STEAM HEATING CONTROLS

With • *Built-in Vacuum Pump Control*
• *Motorized Valve with Feed Back Positioning Control*
• *Remote Communication Option*

SRC Platinum

Description:

A unique Microprocessor Control to manage a Vacuum Steam Heating System with a Steam Boiler, a Two-way Motorized Valve, and a Vacuum Pump Based on System and Outdoor Temperatures. The SRC Platinum Control provides buildings with comfortable, even heat, yet maximizing fuel savings. Not only that, but it incorporates many additional features and flexibilities that can be customized to each building's unique characteristics.



- ***Designed with Vacuum Steam Heating in mind.*** The SRC Platinum control is designed to utilize a 2-way steam motorized valve (either with feed back positioning sensor or time based), a boiler (either burner or district steam) and a vacuum pump. Each has a set of pre configured, but adjustable settings to meet the specific needs of each building. The SRC will reduce fuel costs while maintaining a more comfortable space temperature.

- ***Modulates a 2-Way Steam Motorized Valve.*** The SRC Platinum control varies the motorized valve opening percentage dynamically based on changes in outdoor and system status.

- ***Multiple Day and Night Schedules.*** The control has multiple adjustable day and night heat settings to help reduce fuel consumption. In addition, a built-in, 7 day programmable schedule, with 4 Day/Normal settings and 4 Night/Saving settings per day, to customize operation for even further temperature control and fuel savings.

- ***Vari-Boost.*** To bring the building quickly back to comfortable temperatures after the cooler night period, the control has a built-in Boost feature. It allows the motorized valve to increase its output for a calculated time period based on outdoor temperature. This allows the temperature within the building to rise rapidly to comfortable levels.

- ***Auxiliary Output.*** Utilizing the integrated auxiliary output, the SRC Platinum can be configured to operate additional equipment or controls based on Vacuum Pump operation or on the Aux schedule settings.

- ***Optional Remote Communication Add-On with Modem or Internet Connection Package.*** Imagine being able to not just control your building heat from anywhere, but to be able to see boiler status, valve opening % and temperature logs. In addition to being able to change schedules, set and monitor wireless and hard wired sensors, configure and receive alarms, activate or deactivate sensors, and more. Well, imagine no more. The SRC Platinum can be ordered with any of the communication packages that fit your needs. With the optional communication packages you can configure, set alarms and monitor a variety of sensors ranging from wireless, water and gas meters, oil level, temperature, pressure, vacuum, switch, and stack sensors.

- ***Optional BACnet IP Communication.*** With the BACnet option, a SRC Platinum can act as node in a BACnet network. A proprietary communication EMS/BMS can use their BACnet integration to place the SRC Platinum on their network.

Ask About The Internet or The BACnet Communication Options

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- ***Memory.*** With a built-in EE Prom, the SRC Platinum will never lose your settings even after a power outage or loss of battery power.

- ***Vari-Boost with Early Shutdown.*** Another saving feature, the SRC Platinum allows buildings to switch to Night mode earlier than scheduled during mild outdoor temperature.

- ***Digital Display for all System Settings.*** The SRC 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.

Features:

- Use Existing Sensors and/or Wireless Sensors- (Additional sensor capability is available with Visual Gold or Internet Communication Package)

- With any of the optional communication packages you can connect to as many as 64 additional sensors to the SRC Platinum. Some of these sensors can be fuel levels, stack temperature, or smoke detectors.

- Built-in Outdoor Reset-For better comfort, the SRC controls building temperature based on Outdoor temperature.

- Season changes (Summer / Winter)- Controls whether the SRC Platinum will operate and provide heat.

- Thermal Lockout- is an additional feature that helps eliminate short cycling while providing more comfortable even heat.

- Vacuum Pump Pre Vacuum. Allows the vacuum pump to generate enough vacuum prior to starting the building heat.

- Vacuum Pump Post Vacuum. Allows the vacuum pump to continue operation to assure condensate return to boiler.

- Built-in Prove and Shutdown- While the Shutdown can be used by other system components to active the SRC Platinum operation, 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.

- Manual Shift- Allows for a temporary override of boiler operating schedule by switching from Day to Night or the opposite.

- Fast Cycle- Another handy feature for troubleshooting that allows the control to cycle on seconds instead of minutes.

- Remote Communication Option- Now you can connect your SRC Platinum panel to the Internet, BACnet IP, or to Visual Gold software, via phone modem or RS232, allowing you to read, change, monitor, and analyze your readings in a variety of ways from virtually anywhere. (Requires either the Visual Gold or the Internet communication option.)

- 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.

- Can connect to a Multi-MOD or SQ-Elite Sequencing control –Connected to the SQ-Elite allows it to control multiple single-stage boilers or multi-stage burners. When connected to the Multi-Mod it will control multiple modulating burners.

- Interface with EMS / Energy Management Systems- The SRC Platinum can be enabled / disabled via EMS.

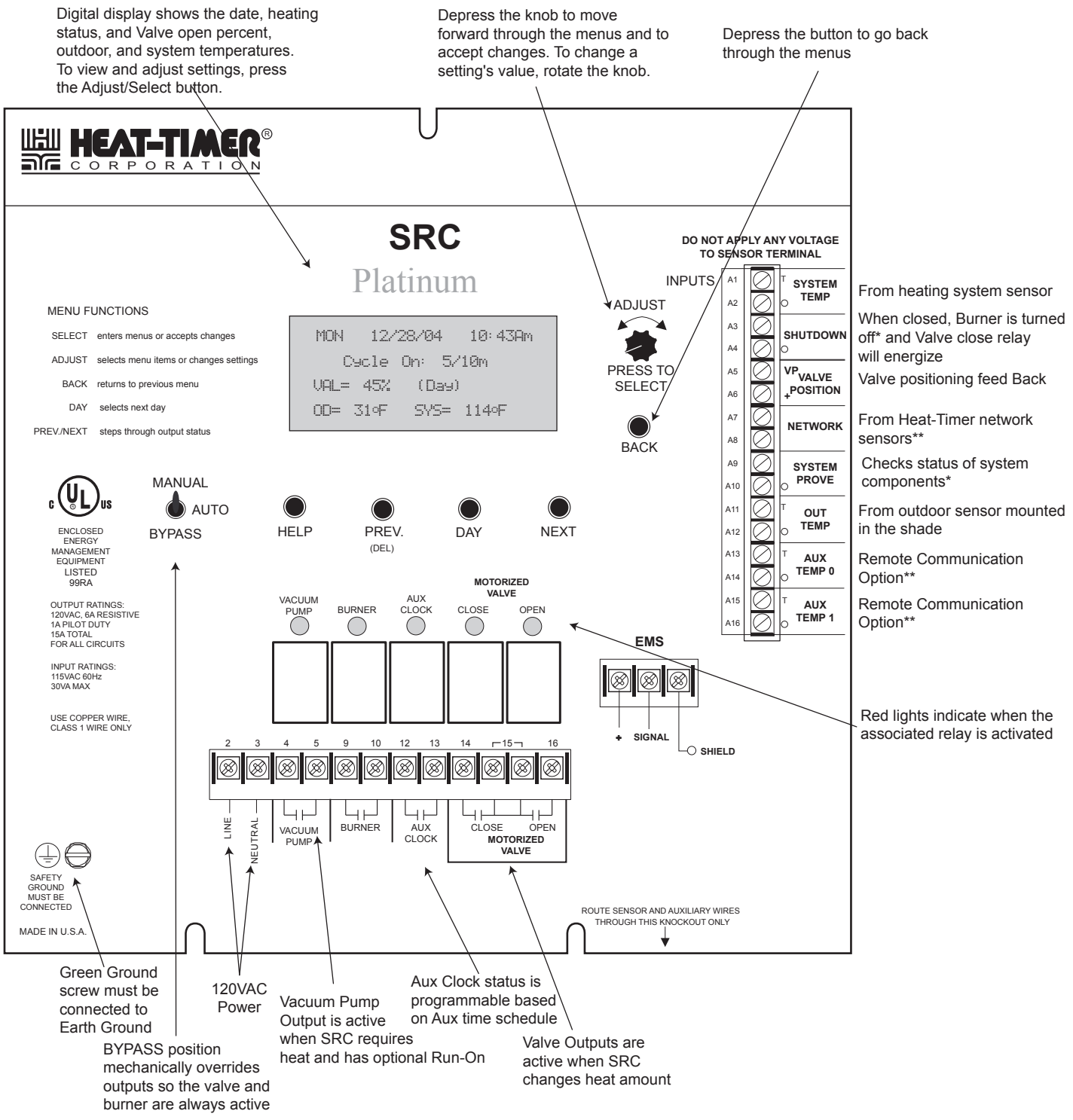
- Bypass- Allows installers and contractors to test and override control settings when needed.

Specifications:

Voltage Input: . . . . . 120 VAC 60 Hz
Power Consumption: . . . . . 30 VA Max
Heating Modes: . . . . . Burner or Motorized Valve, District Steam.
Heating Cycle Length: . . . . . 10 to 240 minutes.
Vacuum Pump Output: . . . . . 1 S.P.S.T. (N.O.)
Burner Output: . . . . . 1 S.P.S.T. (N.O.)
Motorized Valve Positioning Modes: . . . . . Positioning Sensor with Feed Back, Time Based.
Motorized Valve Motor Time: . . . . . 120 to 600 Seconds.
Motorized Valve Positioning Calibration: . . . . Manual, Auto.
Motorized Valve Synchronization: . . . . . When switched from Winter to Summer, during Startup, Every 5 Cycles, (Time Based Only)
Auxiliary Output: . . . . . 1 S.P.S.T.
Output Relay Ratings: . . . . . 1 Amp inductive, 6Amp resistive at 120 VAC 60 Hz, 15A total for all circuits
Temperature Display: . . . . . Fahrenheit or Celsius.
Display: . . . . . 80 character Alphanumeric (4 raws with 20 characters each)
Sensor Ranges: . . . . . Outdoor temperature sensor - minus 35°F to 250°F
. . . . . Heating system sensor - minus 35°F to 250°F
Day and Night Outdoor Cutoff Range: . . . . . 20°F to 100°F.
Day and Night Heat Adjustment Curves: . . . . . A to P.
Vacuum Pump Pre-Vacuum: . . . . . 10 minutes.
Vacuum Pump Post-Vacuum: . . . . . 1 complete cycle time.
Schedules: . . . . . 4 NORMAL and 4 SETBACK settings per day
Aux Clock Schedule: . . . . . 4 OPEN and 4 CLOSE settings per day
Night Setback: . . . . . 0 to 80°F degrees
Morning Boost: . . . . . Manual Boost - Time adjusting from 0 to 90 minutes - Valve opens and additional 10%.
. . . . . Vari Boost - Self adjusting from 0 to 180 min. - Valve opens an additional 10%.
. . . . . Early Shutdown - Self-adjusting from 0 to 90 minutes
Power Backup: . . . . . Lithium coin battery, 100 days minimum 5 year replacement
Remote Communications Options: . . . . . Ethernet (RINet), BACnet (BAC), ModBus (BUS), EML Protocol (EMS)
External Inputs: . . . . . 1 Network Input, 2 Aux Inputs, Positioning Sensor Input, Shut Down Input, and Prove Input.
Fast Cycle: . . . . . Capable (allows minutes to turn into seconds during troubleshooting)
Password: . . . . . Capable.
Season: . . . . . Winter and Summer.
Enclosure: . . . . . NEMA 1
Dimensions: . . . . . 5-⅛" x 13" x 13"
Weight: . . . . . 14 pounds

Item Description	Part #
SRC Platinum	926810-00
SRC Platinum - Internet	926810-RINet
SRC Platinum - BACnet IP	926810-BAC
SRC Platinum - ModBus	926810-BUS
SRC Platinum - XML Protocol	926810-EMS

SRC PLATINUM PANEL



* DRY CONTACT ONLY
** Only usable with the Remote Communication

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CERTIFIED

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