

WIRELESS NETWORK SENSOR SYSTEM

- With
- *Extended Range with Frequency-Hopping Spread Spectrum*
 - *Improved Penetration using 900MHz*
 - *Expand Network with Great Flexibility*
 - *Resilient*

Wireless Sensors for Platinum Controls

Description:

The Heat-Timer Wireless Network Sensor System is designed to be utilized in a variety of large buildings, garden apartments, and in retrofit applications.

Giving both the accuracy and flexibility required to heat those buildings. The Heat-Timer Wireless Network Sensor System is designed to ease the installation of space sensors in buildings where it would be difficult or cost prohibitive utilizing other means. Thus, allowing Heat-Timer Platinum controls with communication the access to the wireless sensor data. The values read from the wireless system is used by the Platinum controls to fine-tune its operation. Furthermore, the Platinum controls can be configured to log this information.

- **Flexibility in Upgrade and Expansion.** The Heat-Timer Wireless Network Sensor System has been designed to ease installation. Wireless Sensors can be mounted virtually anywhere. By adding new Transceivers to the wireless network, the system can get to areas that are otherwise difficult to reach. A major advantage of this system is its Transceiver capability to communicate and exchange data with other Transceivers on the same network, breaking many wireless barriers that exist in other systems.
- **Improved Penetration and Extended Range.** The Heat-Timer Wireless Network Sensor System utilizes the 900MHz frequency range for better penetration. The Frequency Hopping Spread-Spectrum (FHSS) has been used to improve performance and range. This combined with the optional External Antenna, allows the system to be installed not just in high-rise buildings, but also in garden apartments, campus type environment.
- **One Network Multiple Controls.** A single wireless network can be connected to multiple controls providing cost effectiveness for multi-control applications. Just connect the Network Manager to the RS485 of the controls it is to communicate to. Then use different sensors for each control.
- **Secure Data.** Having multiple buildings nearby utilizing this system will not jeopardize your building's data. Each building's components are only visible to its own controls. For further security, when adding additional components, only components customized to the specific Wireless Network Sensor System will be available.
- **Wireless Programmer and Diagnostic Tool.** The Wireless Programmer is a valuable configuration and installation tool. With it, you can view, test, configure, and remove components from your wireless network. In addition, this tool can be used as a diagnostic tool.
- **Use the Data.** The Heat-Timer Wireless Network Sensor System data can be exported and analyzed in a variety of formats using the Internet ICMS tools (for Platinum RINet controls) Or can be downloaded through the Heat-Timer Platinum control to the Visual Gold Plus Software (for Platinum RI and RIM controls).
- **Easy Installation and Configuration.** The Heat-Timer Wireless Network Sensor System is designed to eliminate installation complications and excessive wiring costs normally associated with wired sensors. Sensors are powered by long-life batteries.



Specifications:

Frequency: RF 900mHz FHSS
 Signal Strength: 25mw to 200mw

Wireless Space Sensor (SNR)

Power Input: 2 AA (1.5V) Alkaline batteries
 Transmission/Reception: Built-in Antenna
 Buttons: 1 wake up/Install button
 LED: 2 LED for status display
 Temperature Range: 40°F to 150°F degree
 Programming Interface: RS485
 Dimensions: 4-3/4" x 2-5/8" x 1-1/4"
 Mounting: Wall Mount

Wireless Transceiver (TR)

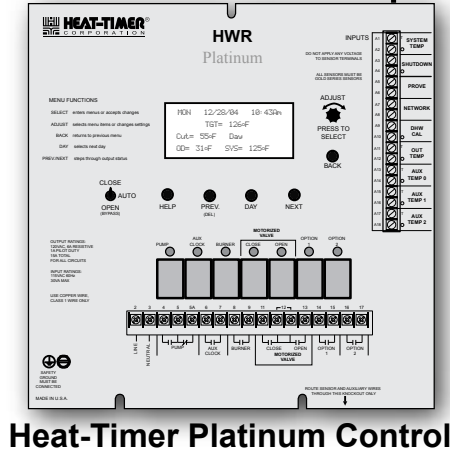
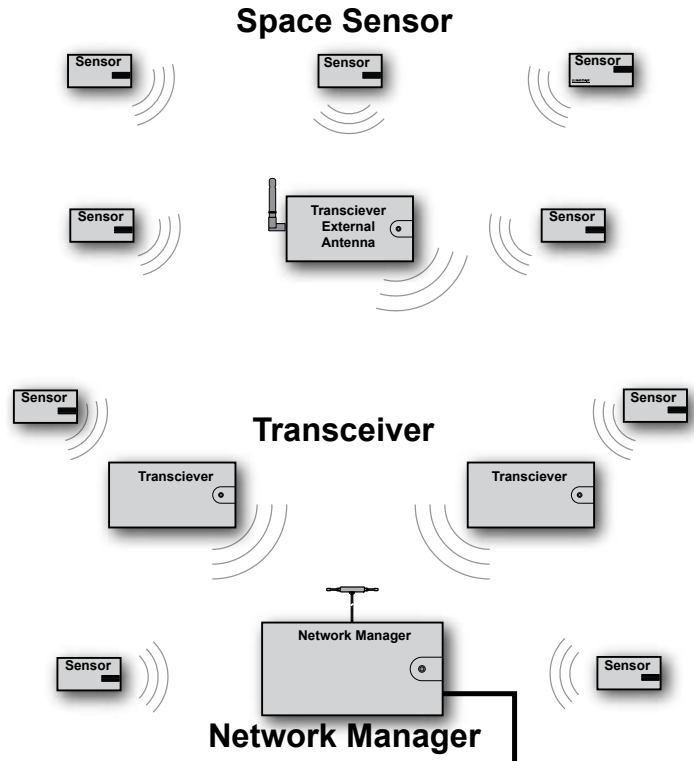
Power Input: 8VAC/9-12VDC
 Transmission/Reception: Internal/External Antenna
 Buttons: 1 button
 LED: 3 LED for status display
 Programming Interface: RS485
 Dimensions: 6" x 3-1/8" x 1-3/4"
 Mounting: Ceiling/Wall Mount

Wireless Network Manager (NM)

Power Input: 8VAC/9-12VDC
 Transmission/Reception: External Antenna
 Buttons: 1 button
 LED: 3 LED for status display
 Programming Interface: RS485
 Dimensions: 6" x 3-1/8" x 1-3/4"
 Mounting: Ceiling/Wall Mount

Wireless Programmer (WP)

Power Input: 9.6 VDC (rechargeable battery)
 Charger: 9.6 VDC Ni-Cd
 Transmission/Reception: Built-in Antenna
 Buttons: 20 button keypad
 Display: 4 Lines 16 character per line.
 Power Switch: To start the control
 Programming Interface: RS485
 Dimensions: 6" x 3-1/8" x 1-3/4"



Item Description	Part #
Wireless Space Sensor	904295-00
Wireless Transceiver (Internal Antenna)	904282-00
Wireless Transceiver (External Antenna)	904283-00
Wireless Network Manager	904281-00
Wireless Programmer	904290-00

FCC Approved

ISO 9001:2000
 CERTIFIED

