

How SHM works



Buildings that use other boiler controllers, typically have one wired temperature sensor outside the building called "outdoor reset", and sometimes they also have a sensor in the hallway.



In comparison, a building equipped with the SHM Controller, would have a wireless temperature sensor outside the building, but that is just the beginning. In order to have accurate readings of any situation and be able to predict heating requirements, the SHM Controller has several wireless temperature sensors strategically placed inside the boiler room on pipes, boilers and hot water tanks.

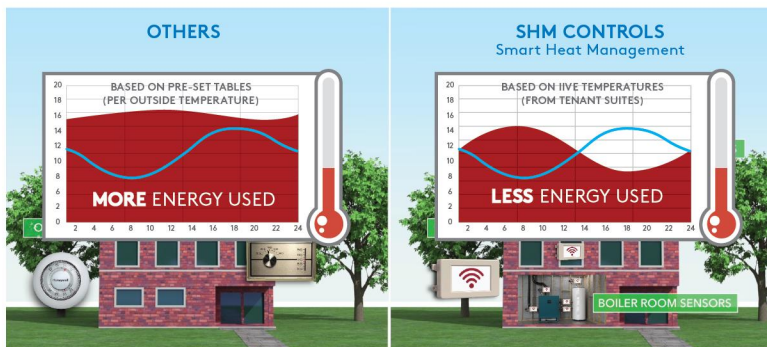
The additional benefit of having all those wireless sensors is the ability to sense and even predict emergencies and mechanical failures, and in which case, send automatic email or text alerts to the maintenance staff and managers.

For maximum accuracy, we also place several wireless temperature sensors in selected tenant occupied spaces while our WRTC units allow for wireless control over all existing thermostats in the property.

WRTC
Wireless Retrofit
Thermostat Control



Now lets look at the temperature changes throughout the day. Typically the coldest time of day is around 7AM and the warmest is around 4PM.



Other controller systems rely solely on a single sensor outside the building, so are only able to loosely follow the daily temperature changes, providing merely a gross approximation to the actual heating required.

The SHM Controller however, reads the actual temperatures in the tenant occupied spaces and can also predict the need for heating/cooling and ability to provide it using its network of wireless sensors. This way it is able to provide just the right temperature at the right time to the right part of the building – hence minimizing energy waste and saving on gas or electricity.

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