Thermostat Training Module

Roosevelt Landing, Roosevelt Island, New York

- **1003 apartments**
- **2400 thermostats**
- **3275 MINIs**

Controlling electric baseboard heaters
(some 208 volts AC and some 120 volts AC)

The Solution

- Our Technology
- Our Networks
- OUR WEBSITE

Every DEGREE Counts

The $H_2O°$ Green Thermostat allows RESIDENTS to:

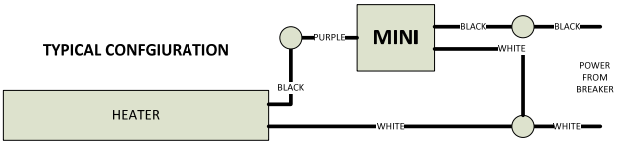
- Offset heating and cooling bills by 10-20%.
- View and control their thermostats with a smart phone or over the internet via our consumer facing website
- Control both temperature and humidity (mold & mildew)

By reducing your thermostat temperature by one degree, you will save approximately 2% on your energy bill.

W54450 – MINI RELAY (MINI) Module

The H2Odegree MINI is a fully-functional wireless mesh network line powered node with an integrated relay and current detector. The M54450-MIN is a wireless device for use in multiple applications. It provides a compact and economical solution for the control of devices such as baseboard heaters, water heaters, and lighting. The MINI may be used to control heating when paired with a H2Odegree thermostat.

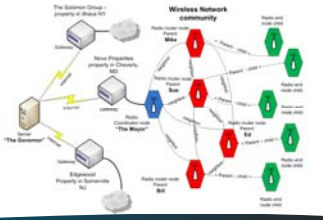
TYPICAL CONFGIURATION



Every DEGREE Counts

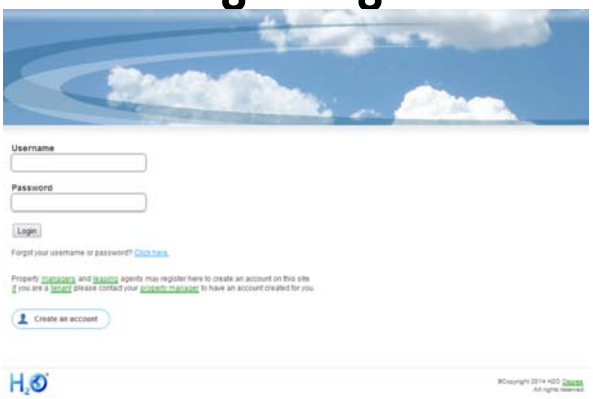
The $H_2O°$ Green Thermostat allows MANAGEMENT to:

- Diagnose heating and cooling equipment functionality
- Track heating and cooling energy use in every apartment
- Limit heat set-points using a web interface
- Identify issues that drive heating costs up
- Lowers temperature in vacant units
- Locate furnace problem
- Lowers temperature at night
- Controls mold and mildew



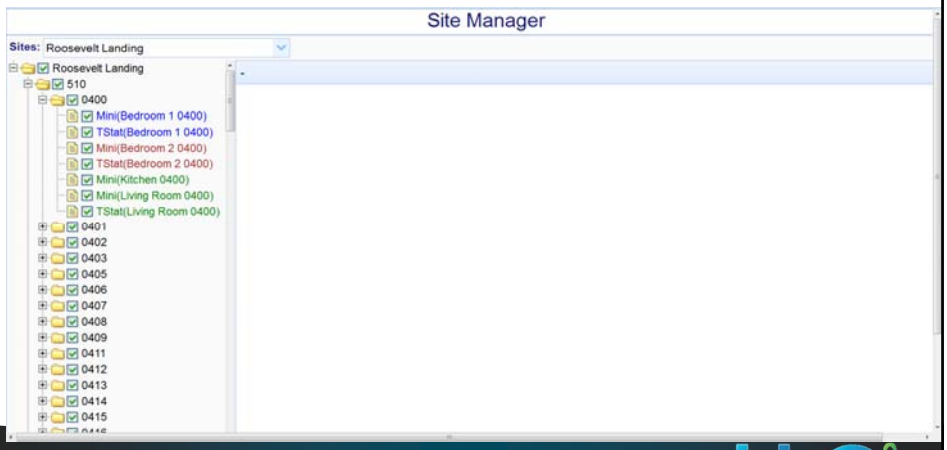
MYUTILITIES.NET - Site Manager

Login Page:



SYSTEM CAPABILITIES

We have the option to choose any apartment and click on it. That enables us to view all the devices installed there.



Roosevelt Landings – Buildings - Apartments

Home | Reports | Control | Diagnostics | Sales | Production | Property | User CP

Building 510

Bldg	Apt		Apt Notes.	Associate			ID	Type	Use In Leak	Reporting/ Active	Room Config	
510 - Roosevelt Landing												
510	0400	Work As	Add	Set Self	..	Edit Rooms	38252	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0401	Work As	Add	Set Self	..	Edit Rooms	38254	Apartment	Yes	6 / 6	1 Bedroom / 1 Bath	
510	0402	Work As	Add	Set Self	..	Edit Rooms	38255	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0403	Work As	Add	Set Self	..	Edit Rooms	38256	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0405	Work As	Add	Set Self	..	Edit Rooms	38258	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0406	Work As	Add	Set Self	..	Edit Rooms	38259	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0407	Work As	Add	Set Self	..	Edit Rooms	38260	Apartment	Yes	6 / 6	1 Bedroom / 1 Bath	
510	0408	Work As	Add	Set Self	..	Edit Rooms	38261	Apartment	Yes	6 / 6	1 Bedroom / 1 Bath	
510	0409	Work As	Add	Set Self	..	Edit Rooms	38262	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0411	Work As	Add	Set Self	..	Edit Rooms	38263	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0412	Work As	Add	Set Self	..	Edit Rooms	38264	Apartment	Yes	14 / 14	2 Bedroom / 1 Bath	
510	0413	Work As	Add	Set Self	..	Edit Rooms	38270	Apartment	Yes	12 / 12	2 Bedroom / 1 Bath	
510	0414	Work As	Add	Set Self	..	Edit Rooms	38266	Apartment	Yes	6 / 6	1 Bedroom / 1 Bath	
510	0415	Work As	Add	Set Self	..	Edit Rooms	38267	Apartment	Yes	18 / 18	3 Bedroom / 2 Bath	
510	0416	Work As	Add	Set Self	..	Edit Rooms	38268	Apartment	Yes	12 / 12	2 Bedroom / 1 Bath	
510	0417	Work As	Add	Set Self	..	Edit Rooms	38269	Apartment	Yes	18 / 18	3 Bedroom / 2 Bath	
510	0418	Work As	Add	Set Self	..	Edit Rooms	38271	Apartment	Yes	18 / 18	3 Bedroom / 2 Bath	

Screen Shot - Management Uses To Set Thermostats

Site Manager

ites: Roosevelt Landing

- Roosevelt Landing
  - 510
    - 0400
    - 0401
    - 0402
    - 0403
    - 0405
    - 0406
    - 0407
    - 0408
    - 0409
      - Mini(Bedroom 2 0409)
      - TStat(Bedroom 2 0409)
      - Mini(Living Room 0409)
      - Mini(Kitchen 0409)
      - TStat(Living Room 0409)
      - Mini(Bedroom 1 0409)
      - TStat(Bedroom 1 0409)
    - 0411
    - 0412
    - 0413
    - 0414
    - 0415
    - 0416
    - 0417
    - 0418
    - 0419

Save As...

Latest tstat-zones Data of [510 - 0409 - Bedroom 2 0409] - Refreshed @ 04/08/2014 06:51:49

Get | Send | Clear

Window Closed Settings:

Zone 1 Start Time:	06:00	(eg. 06:00)
Zone 1 Heat Setpoint:	70.0	deg F (eg. 68.0)
Zone 1 Heat Setpoint Limit:	76.0	deg F (eg. 72.0)
Zone 2 Start Time:	22:00	(eg. 22:00)
Zone 2 Heat Setpoint:	70.0	deg F (eg. 65.0)
Zone 2 Heat Setpoint Limit:	74.0	deg F (eg. 72.0)

Window Open Settings:

Zone 1 Start Time:	06:00	(eg. 06:00)
Zone 1 Heat Setpoint:	68.0	deg F (eg. 68.0)
Zone 1 Heat Setpoint Limit:	68.0	deg F (eg. 68.0)
Zone 2 Start Time:	22:00	(eg. 22:00)
Zone 2 Heat Setpoint:	55.0	deg F (eg. 55.0)
Zone 2 Heat Setpoint Limit:	68.0	deg F (eg. 68.0)

Season Start and End Dates:

Summer Start Date: 06/01 MM/DD

Schedules

This page allows us to set schedules to our thermostats with unicast and broadcast capabilities.

SITE MANAGER

Site Manager:
Allows us to view in apartment temperatures graphs
and measure total heat demand in conjunction with temperature changes.

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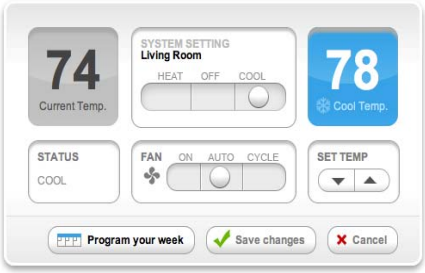
With our VENERGY portal, your residents will receive a personal $H_2O°$ energy website. This will provide them with the ability to:



- view and control thermostats
- compare usage to personal historical data
- control thermostat and program settings remotely
- understand how and when energy is being used.

GLOBAL WATER AND ENERGY SOLUTIONS

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