spire
environmental automation

How Does Automation Make *MY* House GREEN?

User

►Notifications allow you to react promptly and accordingly to situations that arise.
►Remote access allows easy monitoring and control of the systems.

►Overview allows easy monitoring and control of the various systems.
►Monthly reports allow you to analyze and adjust energy consumption.
►Scheduled maintenance allows for more efficient operation of equipment.

Climate

►Advanced scheduling to optimize energy consumption while maintaining comfort.
►Occupancy based programming to react appropriately to an empty house scenario.
►Automatically turns off in a fire alarm to reduce damage and increase safety.
►Vacation mode to reduce energy consumption.
►Connected fireplaces can be turned off automatically based on occupancy.

Shades/Motorized Doors

►Automatically engage hurricane protection during high winds and predicted hurricanes.
►Lower shades on hot sunny days to reduce cooling requirements.
►Raise shades on overcast days to reduce the need for artificial light.
►Close garage doors based on occupancy or time of day to reduce energy loss.
►Close motorized windows prior to a storm to avoid water damage.

Audio/Video

►Occupancy based programming that will turn off all A/V systems when the house is empty.
►Whole house overview allows easy monitoring over all audio and video zones.
►Touch panel control allows audio/video zones to be turned off remotely.

Irrigation

►Shut off sprinklers when it is raining, or heavy rain is expected.
►Shut off sprinklers before and during parties.
►Accuwater adds advanced features and optimizes water usage.

Pool/Spa

►Advanced scheduling to optimize energy consumption.
►Vacation mode to reduce wasted energy while on vacation.
►Cover open notifications upon exiting the house. (Must be present to close the cover according to Michigan law.)
►Power consumption monitoring which can be used to diagnose potential problems and alert maintenance staff when service is needed.

Lights

►Overall reduced consumption provided by running lights at 85% during normal operation.
►Occupancy sensors allow lights to be turned off automatically.
►Advanced scheduling based on Sunrise, Sunset, or time of day to reduce energy consumption.
►Whole house overview makes it easy to see which lights are on and also allows you to turn them off remotely.
►Light levels can be based on the time of day to reduce energy consumption.
►Vacation mode can be set to use a reduce set of lights and still offer increased security without senseless waste.

Mechanical Systems

►Occupancy based operation of landscape pumps.
►Flow sensors to monitor unusual gas and water consumption.
►Power sensors to show energy consumption, estimated costs and alert to unusual increases.

User Notification

►Alerts sent via email to appropriate individuals.
►Automatic dispatch of the appropriate trades to minimize response time and reduce damage and energy loss.

Power/Mechanical Sensors

►Filter warning sensors to monitor filter problems. Troubleshooting these problems quickly optimizes equipment operation and reduces energy consumption.
►Humidity sensors allow notification at dangerous levels.
►Temperature sensors to monitor for dangerous levels.
►Power consumption sensors to allow energy use tracking as well as unexpected usage.
►Water flow sensors to track usage and watch for unexpected water flow problems.
►Gas consumption to track usage and monitor for unexpected consumption.

iWeather

►Provides detailed weather information for the area.
►Allows system to react to weather conditions.

Security

►Allows tracking of open windows.
►Allows tracking of open doors.
►Provides notification of fire alarms.
►Provides monitoring of occupancy.

Schedule

►Allows Climate Scheduling.
►Allows user to program lighting scenes to occur at specific times.
►Allows user programmed events to occur based on conditions.

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