

HVAC controls

What are HVAC controls?

HVAC controls optimize heating, cooling and ventilation to improve comfort and reduce energy waste. Sensors and programmable controls automatically adjust system operation based on occupancy, schedules, environmental conditions and building demand.



Benefits

- Lower heating and cooling costs.
- Improve comfort for employees and customers.
- Reduce unnecessary HVAC operation.
- Extend equipment life.
- Support better indoor air quality.

HVAC equipment that can be controlled

- Rooftop units (RTUs).
- Air handling units (AHUs).
- Fans and pumps.
- Chillers.
- Boilers.
- Variable air volume (VAV) systems.

Building automation capabilities

Scheduling

Operates HVAC equipment according to business hours and occupancy schedules.

Temperature control

Automatically adjusts heating and cooling to maintain comfortable temperatures.

Humidity control

Helps maintain appropriate indoor humidity levels.

Demand-based ventilation

Adjusts outdoor airflow based on occupancy or indoor conditions.

Variable-speed control

Allows fans, pumps and other equipment to operate at the speed needed instead of running continuously at full capacity.

Equipment alarms and diagnostics

Alerts building staff to unusual conditions or possible equipment problems.

Why upgrade?

Heating and cooling can represent a significant portion of a facility's energy use. Modern HVAC controls help equipment operate only when and where it is needed. Using these controls can reduce energy waste, improve comfort, identify potential problems and help your HVAC system operate more efficiently.

Planning your upgrade

- Review current operating schedules and comfort concerns.
- Identify the HVAC equipment that can be controlled.
- Evaluate whether controls should be updated or replaced.
- Consider remote monitoring or centralized controls.

What to expect

1

Meet with an energy advisor.

2

Identify HVAC upgrade opportunities.

3

Learn about available incentives.

4

Install qualifying equipment.

5

Apply/receive your incentives.

How Energy Smart can help

Energy Smart helps New Orleans businesses reduce energy costs with cash incentives, technical guidance and energy efficiency expertise. We can help identify qualifying projects and guide you through the incentive process.

Talk with an energy advisor about available incentives and energy-saving opportunities.



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