



## DESCRIPTION

DEMAND-STAT controls the heating, ventilation, and air conditioning (HVAC) of any building or facility having 1 to 28 HVAC units. DEMAND-STAT distributes heating and cooling demand across multiple HVAC units by considering the climatic needs of the entire building, greatly improving efficiency. DEMAND-STAT enables a facility manager to optimize HVAC start and stop times to reduce energy consumption during peak demand periods, while maintaining desired temperatures.

## APPLICATIONS

Custom Manufacturing & Engineering™ (CME™) designed the DEMAND-STAT climate control system as an easy-to-use, automatic, and affordable solution that enables commercial electric customers to substantially reduce HVAC demand and energy charges while maintaining a comfortable environment. DEMAND-STAT is ideal for commercial and industrial buildings having 1 to 28 HVACs per building.

The DEMAND-STAT system enables the user to monitor, record, and graphically display zone temperature, humidity, and operational cycles, and estimate monthly savings for each DEMAND-STAT controlled zone. Studies have shown the DEMAND-STAT system can reduce HVAC demand charges up to 30 percent. Demand Stat savings allow for a typical payback period of less than two years.

The central gateway supports businesses that need to command all DEMAND-STAT units from a central location, or interface with other building automation systems.

## KEY FEATURES & BENEFITS

- No surge
- Off-peak timer
- Optimized demand manager for maximized savings
- Back-lit easy-to-read panel
- Performs HVAC load leveling
- Intuitive user-friendly interface
- Reduces energy usage during peak demand operation
- Adapts HVAC operation based on historical performance
- EIA-485 based data communication
- User selectable "Saver Mode"
- Automatic learning mode
- Embedded microcontrollers

## OPTIONS

- Central control gateway
- Temperature management balanced with relative humidity
- Trending for HVAC maintenance

