

Duct Free Systems

53DFS250SL – Slimline

Programmable Thermostat



Carrier's DFS line of programmable thermostats are wall-mounted, low-voltage thermostats, which maintain room temperature by controlling the operation of a Duct Free System. Separate heating and cooling set-points and auto-changeover capability allow occupied and unoccupied programming for energy savings.

All thermostats can be configured for Cooling Only, Heat Pump, and Heat /Cool operation and allow up to 4 time/temperature settings to be programmed per 24-hour period. Each thermostat stores schedules for 7 independent days. Batteries are not required. During power interruption, the internal memory stores schedules for an unlimited time while the clock continues to run for at least 48 hours. This thermostat is not Carrier Comfort Network (CCN) compatible.

Features

- One-for-all 3 speed control
- 7-day programmable clock with 4 time periods/day
- Holiday programming (up to 99 consecutive days)
- Copy command
- Large Thermoglow™ display
- Auto-changeover
- 4 hour setback override
- Neverlost™ memory, no batteries required
- Energy saving Smart Fan
- 3 security levels with keypad lockout
- Adjustable heat/cool setpoint limiting
- Remote room sensing

Physical Characteristics:

Dimensions (LxWxD): 4.8" x 4.3" x 1.1"
Appearance: White Plastic, Textured Cover
Weight: 1 lb.

Power Requirements

5VA @ 24VAC 60 Hz
No Batteries Required

Environmental Requirements

Temperature:
Operating: 41° F to 104° F (5° C to 40° C)
Storage: -40° F to 135° F (-40° C to 57° C)
Humidity: 0% to 95% Relative Humidity, non-condensing

Agency Approvals

FCC Part 15; UL; UL, Canada; CE

Electrical Characteristics

Input: 24VAC
Outputs:
Minimum Load 1,000 ohms
Maximum Load 1.5 Amps, 50% pf Inductive
Nominal Load Capacity: 1.5 Amps

Wiring Requirements

Wire Size vs. Run Length
22 AWG 36 ft; 18 AWG 100 ft
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference that may cause undesirable operation.

