

Programmable Thermostat

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Combining easy programming, pinpoint accuracy and digital controls provides both comfort and energy savings. Programmable Thermostat offers temperature accuracy and comfort control. An easy-to-read backlit display and intuitive programming make it a cinch to use. Friendly, non-intrusive service reminders ensure an efficient and consistently comfortable indoor environment.

It is pre-programmed with Energy Star® settings, and it automatically adjusts for daylight savings time. The large main display assures you can easily view set points, outdoor/remote temperature, fan status and the network communications at a glance.

The main display provides all information about the comfort settings and current conditions, including: room temperature, mode of operation, heat/cool set points, Fan ON or AUTO, remote or outdoor temperature (with optional sensor), relative humidity (with optional sensor) and more.

- Applications:**
- Air conditioning and lighting controller for Luxury Homes
 - Air conditioning and lighting controller for Luxury Offices
 - Hotel Air conditioning and lighting controller
 - Smart School Air conditioning and lighting controller

Model: SH-596

Part #: Smarthome Aprilaire 3020

Features

- Simple programming and operation
- Saves time, money, and helps you stay comfortable
- Large backlit display
- Accurate, digital controls

Specifications

Thermostat Voltage: 24-volts $\pm 20\%$ AC or DC
 Max. Total Load Current: 2A
 Max. Load Current thru Single Output: 1A
 Solid State Output Residual Current: Less than 5 mA
 Voltage Drop at Solid State Outputs: Less than 1-volt
 Operating Range:
 32°F - 99°F (0 C - 37 C)
 Display Accuracy: $\pm 1^\circ\text{F}$ between 60°F and 80°F, $\pm 2^\circ\text{F}$ outside this range
 Control Accuracy: $\pm 1^\circ\text{F}$
 Control Range Heat:
 40°F - 88°F (4 C - 30 C)
 Control Range Cool:
 42°F - 90°F (6 C - 32 C)
 Heat/Cool Deadband: 2°F or C
 1st Stage Differential:
 Adjustable 1°F - 3°F (1°F default)
 2nd Stage Differential:
 Adjustable 1°F - 3°F (1°F default)