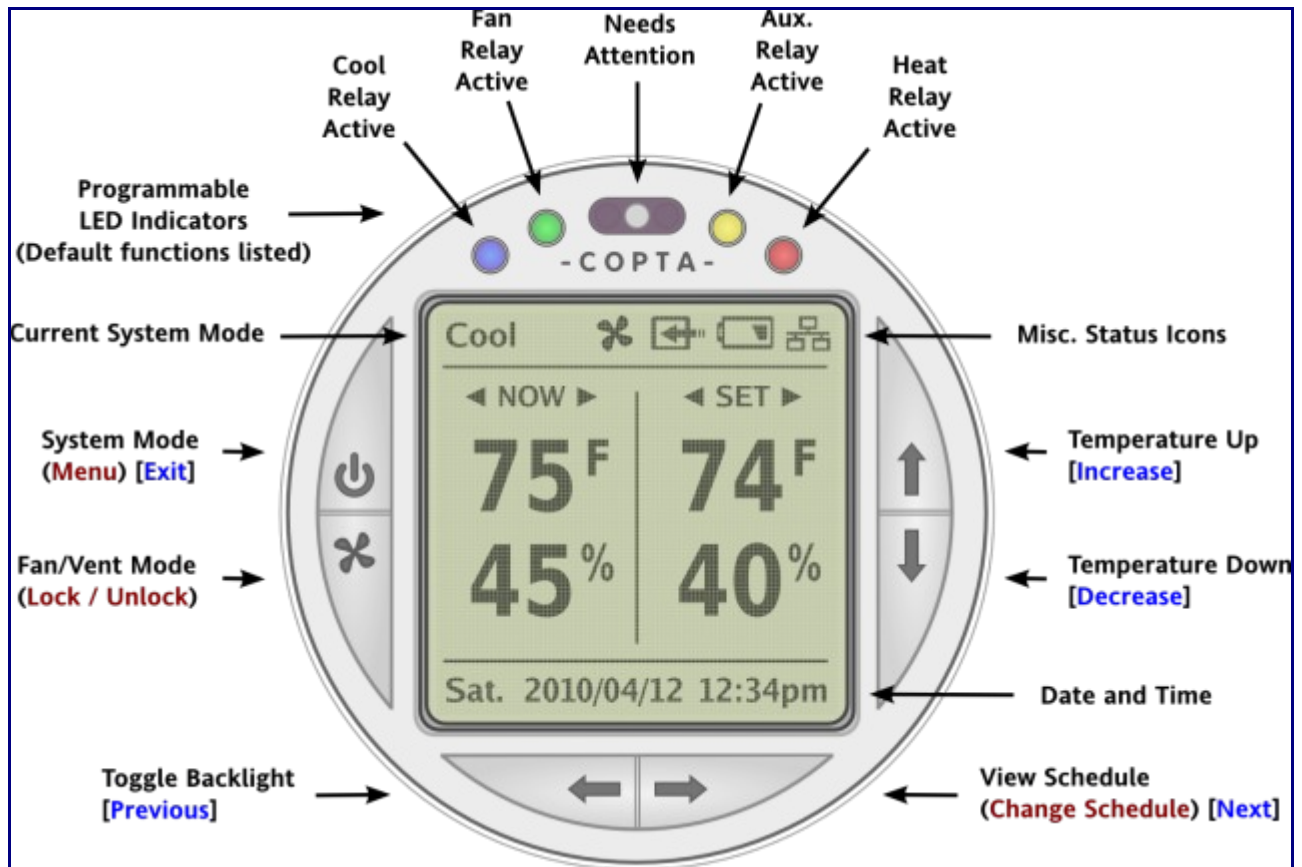


Physical User Interface

2010-05-14 10:05:34 by Nick

A brief overview of the physical user interface elements of the Digital Thermostat Module is shown below. The pushbutton switches all serve multiple functions. Primary functions are shown in black. Secondary functions, such as when in a menu or settings mode, are shown in [Blue]. Finally, functions which are executed when a button is held down for 5+ seconds are shown in (Red). Also note that the five LEDs are programmable in software to indicate different states and functions, but they default to indicating the functions listed in the diagram.



The user interface currently has 3 discrete modes. First is the “home” screen which shows the current date and time, temperature and humidity, temperature setpoint, and current operating mode. Second is the scheduling menu which shows the current schedule. Third is the settings menu which lists the memory registers and allows changes to be made to the thermostats configuration. A photo of the current “home” screen, as displayed on the prototype device, is shown below.

Heat Auto



◀ NOW ▶

19.5°C

44%

◀ SET ▶

25.5°C

Manual

Fri. 04/30 03:05 PM