

Field Commander™

Smart Thermostat

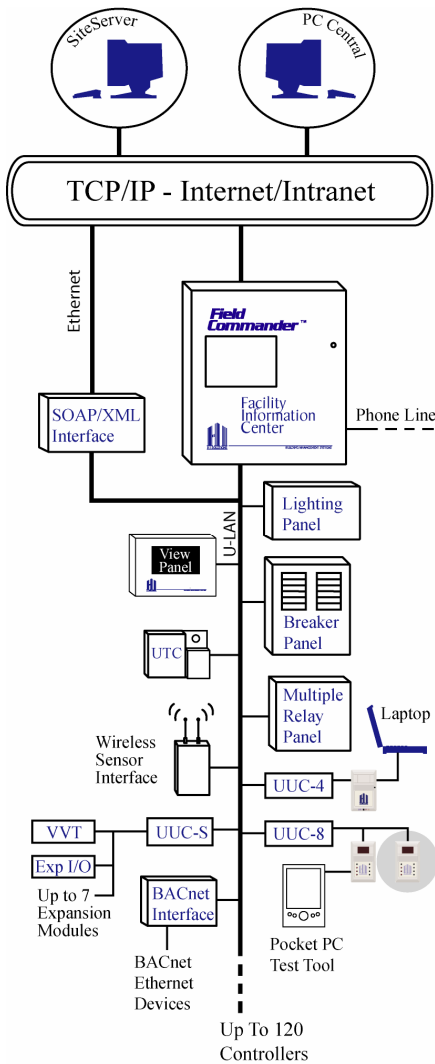
Overview

The UUC-ST Series Smart Thermostat is used with the H I Solutions Universal Unitary Controller (UUC) to provide space temperature sensing, local override, parameter adjustment, and unitary LAN access. The UUC-ST is available in several programmable configurations.

The thermostat provides a voltage source output controlled by a standard thermistor temperature sensor. The effective range of the thermostat is 36 to 100° F.

The model has a three digit display for displaying temperatures and status. Four LEDs to the right of the display indicate which point is currently displayed. The basic model also has four buttons ('Up', 'Down', 'Select', and 'Override') that allow the user to view points of interest, adjust setpoints within preprogrammed limits, and request temporary override operation.

The LAN port option allows easy access to the unitary controller LAN. A quick disconnect connector is provided on each thermostat that allows access by notebook computer or PDA test tool.



Operation

The UUC-ST has two operational modes and a maintenance mode.

In the first operational mode, the display presents a prepared list of control points. A typical application might provide space temperature, local setpoint, outside air temperature, relative humidity, and other selected values. If these values are modifiable, the user can press the up/down buttons to adjust displayed value. When not in use for more than 10 seconds, the display returns to blank. Pressing the override button requests temporary operation under UUC program control. Override mode is indicated on the LED screen by the code "OVR." Holding down the override button for 5 seconds resets the override. Three auxiliary LEDs on the thermostat can be controlled by the user for miscellaneous purposes.

In the second operational mode, the unitary controller program has full control over the thermostat display, LEDs, and buttons. The UUC program controls what value is displayed on the display, as well as which LEDs are on. The program also determines what actions to take when buttons or combinations of buttons are pressed.

The UUC-ST also has a maintenance mode that is entered by pressing a certain button combination. The maintenance mode is similar to the first mode of operation described above, except the user can also step through control parameters in the unitary controller.

Technical Specifications

UUC Smart Thermostat

016-6535



Power Requirements:	15 VDC
Sensing Element:	Thermistor, 10K at 77° F
Wiring:	8-wire
Mounting:	Wall-mount
Dimensions:	2 3/4" x 4 1/2" x 1 1/8"

About H I Solutions

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