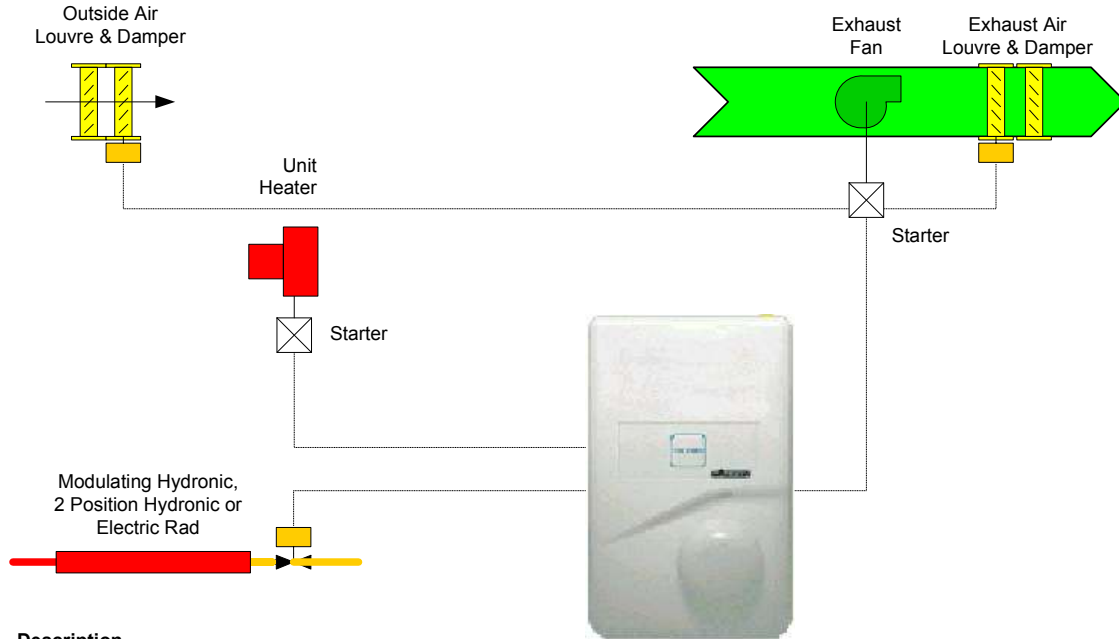


Utility Room HVAC Controller



Description

Affordable thermostat capable of controlling exhaust fan and ON/OFF or modulating heating device. Unlike ordinary programmable stats, the Empire stat can be incorporated into a future Building Automation System.

Guide Specification

Products

2.x Thermostat - Utility Room HVAC

Thermostat for utility room (such as sprinkler rm, storage, garbage room etc.), Model BNR-UR complete with integral space temperature sensor, setpoint adjustment knob, spring return two position motorized dampers, isolation control relays, transformer and control fuse as manufactured by Empire Controls Limited of Woodbridge, Ph 905-264-7282, Fax 905-850-8564, empire@empirecontrols.com. Stats without analogue output points and non communicating stats are not acceptable. (Night Setback and Cooling Setup are optional, in which case the for standalone applications, the following optional features should also be specified - Real Time Clock and LCD)

Execution - Sequence of Operations

3.4.x Programmable Thermostat - Utility Room HVAC

The Empire stat shall continuously monitor space temperature and space setpoint.

Stat cycles unit heater as required to maintain the space temperature at the Heating Setpoint.

Stat cycles the exhaust fan as required to maintain the space temperature at the Cooling Setpoint.

(Optional)

Programmable stat shall implement time of day scheduling with night setback and cooling setup, and mode override.

As a default, the LCD alternatively displays the room temperature and time. Operator with password may log on to adjust the Deadband, Unoccupied Heating and Cooling Setpoints or Weekly Schedule, or to view and manually command the stages of heating and cooling.

Mount thermostat, and connect to rooftop unit and SAT sensor. Check operation of sensors, valve(s) and compressors and heat exchanger stages in rooftop unit.

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