DEC-RS-2

Digital Room Temperature Sensor

The DEC-RS-2 Wall Temperature Sensors are designed to be used with DEC controllers. They are designed with a rugged housing and a unique one screw attachment to its base plate. The DEC-RS-2 is a digital wall mounted room temperature sensor with multiple modes of operation. It can use colored LED's to display room temperature along with room setpoint and zone override. It also has a built in light sensor which can be enabled or disabled. The DEC-RS-2 wires to any DEC controller via CAT-5 cabling and does not have options for hard wiring.

- Simultaneous Zone temperature, light level and/or humidity control
- Light level control with setback
- Remote temperature sensing applications

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Digital Room Temperature Sensor

HARDWARE FEATURES/BENEFITS

All DEC-RS models have the following hardware features and benefits:

- Accurate temperature sensor (±0.5%)
- After hours occupancy (override) capabilities
- High Tech design, sensor housing is ABS Plastic with an attractive finish
- Simple yet reliable mounting for fast installation
- Simple and error free Cat-5 cable termination to the main controller. Can be daisy chained via Cat-5 cables for lower installation cost
- All units have serial communication port connectors to the main controller (via DEC-HH-1 hand held programming terminal)

  Note: DEC-HH-1 is (80 character [20 x4], backlit LCD display with 24 key keyboard) hand held terminal for commissioning and data entry interface.
- The DEC-HH-1 can also be used as a service interface tool.
- Flash memory based intelligent wall sensor with multiple sensors built in
- Three (3) digit LED display (character height 0.5”), shows temperature in °F or °C with 0.1° increments
- Seven (7) element, multi color (Red-Green-Blue) LED bar graphics
- Enter-Up-Down user interface programming keys (keys are solid state)
- Various programmable modes of operation with display and program key functions
- After hours occupancy and cancel functions
- Built in ambient light level sensor
- Future options such as Fan speed control and similar applications
- Up to two (2) DEC-RS-2 units can be installed for a single controller

PROGRAMMING FEATURES

- Different modes of display and program key operation: The comfort setting can be bar graphics type (up and down with changing color LEDs), digital numeric or no key functions
- Can be programmed for °F or °C display
- Ambient light levels can be programmed as an analog or digital input signal to the controller (does not consume one of the controller inputs)

SPECIFICATIONS

- Input power: Supplied by the controller
- Operating Temperature: 0°F to +95°F
- Storage Temperature: -30°F to + 160°F
- Operating Humidity range: 10 to 95% RH, non-condensing
- Storage Humidity range: 10 to 95% RH, non-condensing
- Simple and reliable mounting saves installation labor
- Default temperature adjust set range: 55.0°F to 85.0°F
- Ambient light level sensing: 0 – 100% of the measured relative light levels
- Flash memory based intelligent wall sensor with multiple built in sensors based
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- Enter-Up-Down user interface programming keys (keys are solid state)
- Various programmable modes of operation with display and program key functions
- Accurate temperature sensor (± 0.5%)
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