

ST-30/31

SMART STAT™

DESCRIPTION

The SMART STAT™ models 30 and 31 are LONWORKS® technology based thermostat controllers using a Neuron® 3150® processor.

Model 30 is designed for control of units over the LON® network. Model 31 contains relays for local control of terminal units. Both models come from the factory programmed to control a standard single stage rooftop unit. Other functional profiles can be downloaded into the thermostat for heat pump, multi-stage and user interface applications.

Factory programmed features include: local set point control with limits that can be changed via the network; four application control modes: auto., heat, cool, and off; manual fan control; network broadcast of local temperature, set point, and terminal unit status; set point, temperature offset, and control delta adjustment for the network; and button combination for logical installation.

Each model can be reprogrammed and has 56K bytes of user-programmable memory.

APPLICATIONS

FEATURES

- Attractive architectural-grade packaging
- Simple, easy-to-use interface
- Backlit LCD
- Preprogrammed for single-stage roof-top unit control
- 4 relays that can be reprogrammed (model 31 only)
- Neuron 3150 processor
- Custom Application Programmable over the LON network

SELECTION GUIDE

ST-30/31-F-

- B - 56K Flash Memory Only
- M- **STANDARD Selectable Memory (FLASH, SRAM)**
- C -Real Time Clock with Super Cap Back-up, Selectable Memory (Flash, SRAM) and 8K Serial EEPROM

SPECIFICATIONS

Processor: 3150 @ 10MHz

Memory: 56 Kbytes Flash EPROM

2 Kbytes RAM (Neuron)

0.5 Kbytes EEPROM (Neuron)

Communications: LonWorks FTT-10A

Power Input: 21-28 VAC or 21-40 VDC

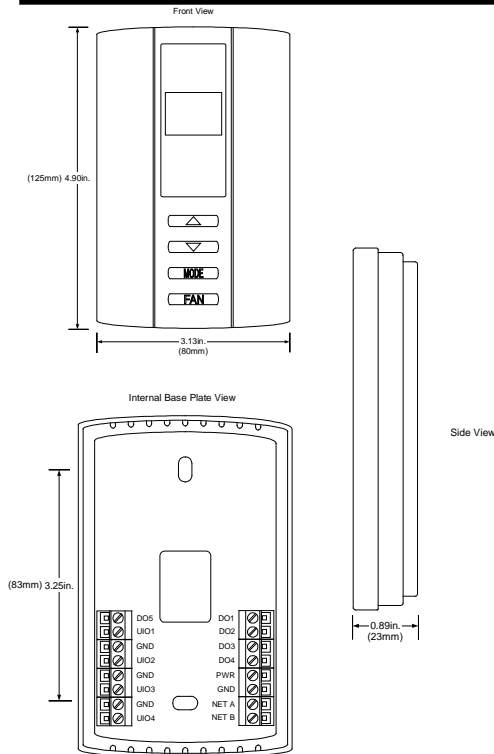
Environmental: 0 to 50°

Physical Dimensions: H 124mm xW 79mm xL 23mm

(4.9" x 3.125" x 0.925")

Relay Output: 1A @ 24 VAC/DC max.

DIMENSIONS



OPTION JUMPER SELCETIONS

CONTACT



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