



Shown Approximately Actual Size: 2.1"W x 2.85"H x 1"D

NT-ROOM-S

Remote Temperature & Humidity Sensor

Works with UP32, NetX X7, & NetX X5 Thermostats (temperature/humidity)

Works with US32 Thermostats (temperature only)

Flexible Application Use with Four (4) Configurations

Simple 3-Wire Daisy Chain Connection

GENERAL DESCRIPTION:

The power and flexibility of the NetX Advanced Remote Sensor bus is the best in the industry.

The Network Thermostat NT-ROOM-S remote sensor is a surface mount remote sensor in a small case, designed to sense room temperature and/or humidity at remote locations when connected to a UP32, X7, X5 or temperature with a US32 thermostat.

The flexible NT-ROOM-S sensor can be used in several configurations including indoor temperature and humidity, humidity only, outdoor temperature, or as an auxiliary temperature sensor. Up to six(6) NT-ROOM-S sensors can be connected to a single thermostat for indoor temperature averaging.

STANDARD FEATURES:

Multiple Configurations for Flexible Application Use	X7	X5	UP32	US32
INDOOR TEMPERATURE & HUMIDITY Temp with internal sensor or external sensor (NT-FS, NT-RS, NT-RS-S)	●	●	●	
INDOOR TEMP AVERAGE– up to 6 with automatic averaging Temp with internal sensor or external sensor (NT-FS, NT-RS, NT-RS-S)	●	●	●	●
HUMIDITY ONLY – (Internal Sensor) 5 to 95% Non-Condensing	●	●	●	
OUTDOOR – Temperature Only (NT-OUTDOOR sensor required)	●	●	●	●
AUX 1 – Temperature Only (NT-FS, NT-RS, or NT-RS-S sensor required)	●	●	●	

SPECIFICATIONS:

Rated Voltage:	20V to 30VAC, 24VAC nominal
Internal Temp Sensor Range:	+28°F to 119°F in 1° steps (-2°C to 48°C in 1° steps)
External Temp Sensor Range:	Outdoor: -54°F to +119°F (-48°C to +48°C); AUX1: -40°F to +200°F (-40°C to +93°C)
Measurement Accuracy:	± 1.0°F (±0.5°C)
Humidity Measurement Range:	5% to 95% Relative Humidity, Non-condensing
Measurement Accuracy:	10-90%RH (+/-3%)
Terminations:	RS1 - Data, RS+V - Power, RS2 - Return, 1 & 2 - External Temp Sensor Leads, 1-2, 3-5, 6+ Sensors
Dimensions:	2.1"H x 2.85"W x 1.0"D
Approved Cable Types	CAT5 or CAT5e unshielded, or 1-Pair Twisted Shielded Cable with Drain and nominal capacitance of 12pF/ft or better. Use riser or plenum jacket as required by local code. Maximum 300ft Total Sensor Cable Length per Thermostat

WIRING DIAGRAMS:

