



NT-URS

- Remote Temperature & Humidity Sensor
- Temp/Hum Sensing
- Temp Aux Input Sensing
- Water Leak Sensing
- Flexible Application Use with Five (5) 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-URS universal remote sensor is designed to sense temperature and/or humidity at remote locations when connected via the 3-wire NetX RSBUS to X7 or X5 series thermostats.

This flexible sensor can be used in several configurations including indoor temperature and humidity, indoor humidity only, outdoor temperature, as any one of three auxiliary temperature sensors, or a water leak sensor.

Additionally, up to six (6) NT-URS sensors can be connected to a single thermostat for indoor temperature averaging.

STANDARD FEATURES:



Multiple Configurations for Flexible Application Use	X7	X5
INDOOR TEMPERATURE & HUMIDITY Temp with internal sensor or external sensor (NT-FS, NT-RS-S)	●	●
INDOOR TEMP AVERAGE – up to 6 with automatic averaging Temp with internal sensor or external sensor (NT-FS, NT-RS-S)	●	●
HUMIDITY ONLY – (Internal Sensor) 5 to 95% Non-Condensing	●	●
OUTDOOR – Temperature Only (NT-OUTDOOR sensor required)	●	●
AUX 1, AUX 2, AUX 3 – Temperature Only (NT-PROBE-SS8 sensor. Inquire about other sensor types.)	●	●
WATER LEAK – up to 2 probes (NT-WL-H Horizontal mount water leak probe.)	●	●

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);

Auxiliary Temp Sensor Range: AUX1, AUX2, AUX3: -40°F to +200°F (-40°C to +93°C)

Internal Humidity Sensor Range: 5% to 95% Relative Humidity, Non-condensing

Measurement Accuracy: Temperature: $\pm 1.0^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$); Humidity: 0-90%RH ($\pm 3\%$); 20-80% RH ($\pm 2\%$)

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 (53mm x 73mm x 25.4mm)

Approved Cable Types CAT5 or CAT5e unshielded, or 1-Pair Twisted Shielded Cable with Drain and nominal capacitance of 12pF/ft or less. Use riser or plenum jacket as required by local code.

Maximum 300ft Total Sensor Cable Length per Thermostat

WIRING DIAGRAMS:

