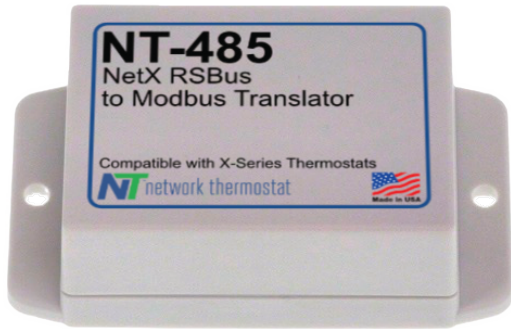


NT-485



- Modbus Translator
- Resides on NetX RSBUS
- Compatible with X-Series Thermostats Only
- 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-485 is a simple to install Modbus translator for connecting X-series thermostats to any Modbus system, regardless of the manufacturer. The translator connects via the 3-wire NetX RSBUS remote sensor network and works with X-series thermostats.

The NT-485 address is configurable from the front panel of the thermostat.

The unit can act as a bridge between the X-series thermostats and any system using Modbus, including VAV/VVT controllers, BAS systems, and Industrial Automation systems.



STANDARD FEATURES:

Basic Modbus Information	Read	Write
THERMOSTAT CURRENT STATUS Indoor Temp, Indoor Hum, Mode, Fan, Current H/C Operation, Stages Active	●	
THERMOSTAT CONTROL System Mode (H/C), Fan Mode, Active Cool/Heat Setpoints; Operation in Both 'Schedules Active' and 'Manual Mode' Configurations	●	●
REMOTE SENSORS Indoor Temp, Indoor Hum, Aux1-7 Temp; Outdoor Temp, Outdoor Hum, Water Leak	●	
TEMPERATURE SCALES & MISCELLANEOUS Fahrenheit, Celsius, Hardware Rev, Software Rev, Model	●	

SPECIFICATIONS:

Rated Voltage: 20V to 30VAC, 24VAC nominal

Terminations: RS1 - Data, RS+V – Power, RS2 – Return
A - Modbus(+), B - Modbus(-)

Dimensions: 3.6”H x 2.0”W x 1.2”D (90.4mm x 51mm x 30mm)

Approved Cable Types NT-485 to X-Series Thermostat:

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

NT-485 to Modbus Server Recommended:

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.

WIRING DIAGRAMS:

