

Flush-Mounted NSA7000 Series Network Sensor

Product Bulletin

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The flush-mounted NSA7000 series network sensor with LCD is an electronic zone sensor designed to function directly with Johnson Controls® BACnet® MS/TP digital controllers in heating, ventilating and air conditioning (HVAC) systems. This model monitors the temperature set point, zone temperature, and transmits this data to a field controller on the sensor actuator (SA) bus.

This model has occupancy override button which allows user to signal the controller that the zone is occupied to override the scheduled mode, and equipped with both a modular jack and screw terminals for easy wiring.



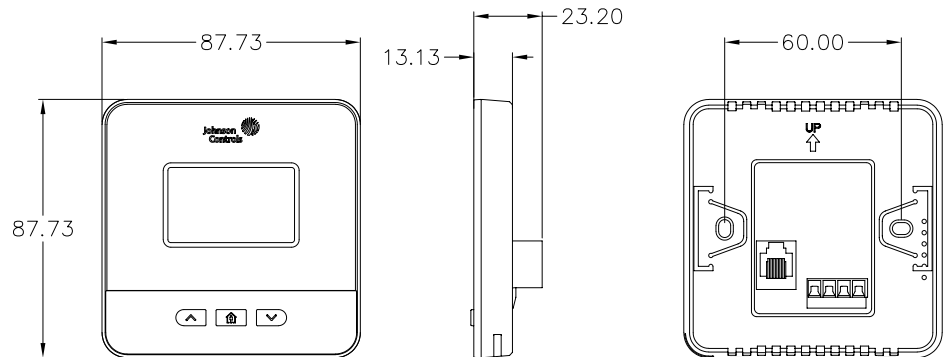
Features and Benefits

Features	Benefits
Up to 16 address can be set	User can set NSA7000 address in field via push button and LCD display, and up to 16 address can be set
Both MJ and ST are available	Both MJ (Modular Jack) and ST (Screw Terminal) are available in one model, easy for installation
Suitable for various installation box	Small back part which is suitable for all installation boxes available in China and Europe market.
Push button for user operation	User can change temperature set point and occupied/unoccupied via push button. Easier for operation

IMPORTANT:

Use this NSA7000 sensor only as an operating control. Where failure or malfunction of the NSA7000 sensor could lead to personal injury or property damage to the controlled equipment or other property, additional precautions must be designed into the system. Incorporate and maintain other devices such as supervisory or alarm systems or safety or limit controls intended to warn of, or protect against, failure or malfunction of the NSA7000 sensor.

Product dimensions:



Technical specifications:

Supply Voltage	9.8 to 16.5 VDC; 15VDC nominal (From SA Bus)
Current consumption	35mA maximum
Terminations	Modular jack and screw terminal block
Sensor addressing	Factory set address 199, set range from 199 to 215
Wire size	Modular jack: 24 AWG or 26 AWG (0.5 or 0.4 mm diameter) recommended; Three twisted pair (six conductors) Screw terminal block: 18-22 AWG (1.0-0.6 mm diameter); 22AWG (0.6 mm diameter) recommended
Communication rate	Auto-detect: 9.6k, 19.2k, 38.4k or 76.8k bps
Mounting	Flush-mounted
Temperature measurement range	0-40°C (32-104 °F)
Temperature accuracy	±0.5°C (±1 °F)
Default temperature set point adjustment range	10.0-30.0°C (50.0-86.0°F) in 0.5°C increments
Ambient conditions	Operating: 0-40°C (32-104°F), 10-90% RH, noncondensing Storage: -20-60°C (-4-140°F), 5-95% RH, noncondensing
Product weight	Approx. 66g
Compliance	CE, UKCA RCM mark, Australia/NZ emissions compliance RoHS, REACH, WEEE