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>
DNS-24L

DNS-24L

This addition to the BACstat II family of network sensors and thermostats is a LINKnet only version of the DNS-24. The DNS-24L is an intelligent room sensor with a custom LCD display and 4 push buttons for user control. Both the LCD display and the push buttons can be fully programmed via GCL+ over the LINKnet network.


[Overview](#)
[Specification](#)

Application

The DNS-24L is used for applications that require one or more low cost, programmable sensors with LCD display and push button control.

Features

Built-in 10k $\frac{1}{2}$ thermistor

Optional terminal block for wiring a remote thermistor to the temperature input

Optional built-in humidity sensor

LINKnet communications

Programmable 3-value, 96 segment, LCD display (via GCL+ over LINKnet) with optional backlighting

4 Programmable Buttons (via GCL+ over LINKnet)

Optional buttons for fan speed control when used with Delta Fan Coil Controllers (DFC's)

Service port

LCD

3-value and various icons (96 total segments) with optional backlighting

Push Buttons

4 stylized momentary push buttons

Temperature Sensor

Thermistor Input – 10k $\frac{1}{2}$ @ 77°F (25°C)

Accuracy of +/- 0.36°F from 32° - 158°F (+/- 0.2°C from 0 - 70°C)

Display Resolution of 0.1 °

Stability of 0.24 °F over 5 years (0.13 °C)

Humidity Sensor

Accuracy of +/- 3%RH from 20% -80% RH

Related Products

Delta Network Sensors (DNS)

DNS-24 (/products/hvac/network-sensors-io-expansion-modules/dns-24)

Individual Zone
Controllers
(/products/hvac/individu:
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(linearized accuracy of +/- 3% to +/- 5% from

0-20% and 80-100% RH)

Display Resolution of 0.1%

Stability of < 0.5% RH/yr (typical)

Technology

8-bit processor with internal A/D, Flash, and RAM

Device Address

Set via DIP switches

Communications Port

Delta LINKnet @ 76800 bps

(maximum 12 devices, depending on the controller, with no more than 2 DFM devices per LINKnet segment)

Connectors

Screw-type terminal connectors

Wiring Class

Class 2

Power

24V AC

5 VA

Ambient

32° to 131°F (0° to 55°C)

10 to 90% RH (non-condensing)

Dimensions

5 x 3.25 x 1 in. (12.7 x 8.3 x 2.5 cm)

0.3 lb. (120 g)

Compliance

CE

FCC

Listings

UL 916 Listed

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