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- HVAC Controls
- Electric Actuators
- Actuated Valves
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Head Office
Neptronic[®]
400 Lebeau Blvd.
Montreal, Quebec, Canada H4N 1R6
Tel.: (514) 333-1433
Fax: (514) 333-3163
Toll Free: 1-800-361-2308

Humidity Control Innovation

New Duct Humidistat and HRO20/HROB20 Wall Mounted Controllers

Introducing a new duct humidistat!

The SHH8 on/off duct humidistat model monitors and controls relative humidity.

Suitable for humidification and dehumidification applications, this new model offers several features:

- 8-inch long sensor that extends inside the duct to provide an accurate reading.
- Set point from 30 to 100% R.H.
- An ABS housing rated IP54 (equivalent to NEMA 3)
- It can be used as a high limit duct humidistat in the supply duct or to control the humidity level in the space when it is installed in the return duct.
- Two 5A resistive, 24vac contacts

The SHH8 replaces the previous HC201 model.

For further information, please follow this link to download the specification sheet from our website.

[SHH8 Specification Sheet](#)



USA
NEP Inc.
P.O. Box 1151
Medford Oregon,
USA 97501
Tel.: (541) 531-5746

Middle East & Asia
NEP International FZE
P.O. Box 125687,
Dubai, UAE
Tel.: +97155 8825487
Fax: +9714 3426772

Singapore
Neptronic Pte Ltd
Office D6, #03-38,
Mountbatten Square
229, Mountbatten Road,
Singapore – 398 007
Mobile: +65 8118 4184
Tel: +65 6650 6212
Fax: +65 6491 6423

The new and improved HRO20 and HROB20 wall mount humidity controllers!

In January 2016, we introduced the new HRO20, which combines the features of the previous models HRO20 and HRO20LSS (low signal selector).

In addition, this new model offers several new features and improvements:

- Fully configurable PID on all ramps
- Two analog inputs fully configurable
- External humidity sensor averaging
- External demand low signal selector
- And more...

Please follow this links to obtain additional details about the new features and improvement from our website.

[Additional information](#)

The HRO20 conserves its compatibility with other products, please note the external temperature sensor input has changed from pin 13 to pin 3 and pin 13 is a new analog input.

See below for the terminal description:



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[\(Click here to enlarge\)](#)

Terminal Description	
1	Common
2	24 Vac or 30 Vdc
3	Window temperature sensor or outside temperature sensor input (AI3)
4-6	Not available
7	Common Relay
8	Humidify Contact Output (DO1)
9	Dehumidify Contact Output (DO2)
10	Humidify setpoint analog output (AO4) Note: If dehumidify only is selected, AO4 = 0 V
11	Alarm status digital input (DI1)
12	(AI1) <ul style="list-style-type: none">• External setpoint from Neptronic humidifier• External 0-10 or 2-10Vdc signal<ul style="list-style-type: none">○ external demand○ external humidity sensor○ low signal selector input (LSS)○ averaging
13	(AI2) <ul style="list-style-type: none">• External 0-10 or 2-10Vdc signal<ul style="list-style-type: none">○ external demand○ external high limit○ external duct supply in○ low signal selector input (LSS)○ averaging
14	Humidify Analog Output (AO1)
15	Dehumidify Analog Output (AO2)
16	Actual Humidity Output (0-100% RH) (AO3)

The HROB20 replaces the HROB20LSS. It has the same features as the HRO20 with BACnet MS/TP capability.

For further information, please follow these links to download the specification sheet from our website.

<http://neptronic.com/Controls/PDF/HRO20-ESA-151203.pdf>

<http://neptronic.com/Controls/PDF/HROB20-ESA-151203.pdf>

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