

Humidity Controllers

DBZH

DESCRIPTION

Single-stage and two-stage, executive room hygrostats.

APPLICATION

Humidification and dehumidification control of air conditioning equipment.

SPECIFICATIONS

Type of operation	On/Off, single-stage and two-stage switches
Output	1 to 2 SPDT, 24 to 230 VAC, 5(0.2) A 50 VDC, 1 A
Setpoint adjustment	Dial knob, external or internal
Sensing element	Synthetic fiber
Humidity rate of change	5% RH/min
Permissible air velocity range	2953 ft/min (15 m/sec)
Permissible ambient temperature	
- Working	32°F to 140°F (0°C to 60°C)
- Storage	-4°F to 158°F (-20°C to 70°C)
Permissible ambient humidity	100% RH
Wire	
- Connection	Screw terminal
- Size	Maximum 15 AWG (1.5 mm ²)
Cable entry	Slot on back plate
Housing	
- Material	ABS, fire retardant
- Color	White
- Protection	NEMA 1 (IP20)
- Dimensions	4.6 x 2.8 x 1.4 in (115 x 70 x 35 mm)
Installation	Room mounted



certified
ISO 9001

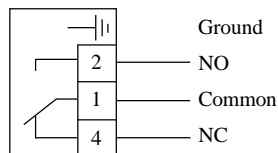


Scale Range % RH	Accuracy ± % RH	Differential			Dial Knob Setpoint Adjustment	Ship Weight lb (kg)	Part Number
		In the Stage % RH	Between the Stages % RH	Stages SPDT			
30 to 100	3-4	4 fixed	N/A	1	external	0.3 (0.15)	DBZH-101-US
30 to 100	3-4	4 fixed	N/A	1	internal	0.3 (0.15)	DBZH-101U-US
30 to 100	3-4	4 fixed	factory set at 6 3 to 15 adjustable	2	external	0.4 (0.2)	DBZH-102-US
30 to 100	3-4	4 fixed	factory set at 6 3 to 15 adjustable	2	internal	0.4 (0.2)	DBZH-102U-US

WIRING DIAGRAM

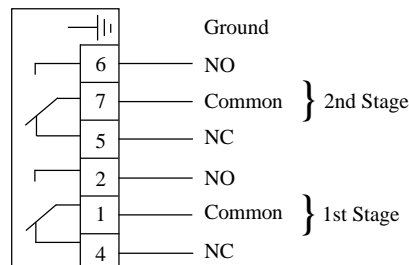
Contact connection Humidification: 1 to 2 and 7 to 6
Dehumidification: 1 to 4 and 7 to 5

DBZH-101



Contact connection Humidification: 1 to 2
Dehumidification: 1 to 4

DBZH-102



Attention
Must avoid chemically
aggressive atmosphere.