Datasheet HI-2

Articlenumber: JA010300

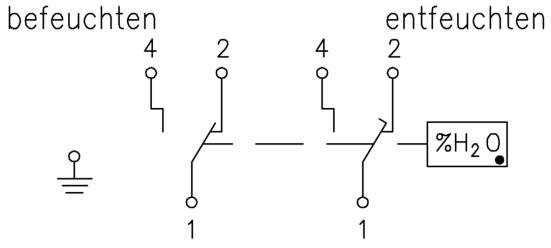
Hygrostat, duct/wall mounting, external setting, 2-stage

Used in ventilation and air-conditioning ducts, climate chambers and dehumidification devices for controlling and / or monitoring air humidity in industry and agriculture. Not suitable for aggressive gases. Max. air speed 8 m / s, with sensor protection FS-HI 15 m / s. The hysteresis between the stages can be adjusted within the range 3...15 % r.H.. Mechanical range reduction possible using the setting pins located under the setpoint knob.

Ambient temperature, lower value	0 °C
Ambient temperature, upper value	60 °C
Average power consumption	0 W
Bearing temperature, lower value	-20 °C
Bearing temperature, upper value	60 °C
Colour	Light grey
Depth	67,5 mm
Diff. between switching steps (relative air humidity)	3 %
Electric connection	Screw terminals
External setting	Yes
Function type (systems engineering)	Controller
Height	130 mm
Housing material	Plastic ABS
Humidify / dehumidify control function	Yes
Hysteresis adjustable between stages	Yes
Internal setting	No
Maximum air humidity (non-condensing)	100 % r.H

ALRE-IT Regeltechnik GmbH
Richard-Tauber-Damm 10
D-12277 Berlin
Telefon: +49 30 399 84- 0
Telefax: +49 30 391 70 05
E-Mail: mail@alre.de
www.alre.de

Maximum switching current	15 (8) A
Maximum switching voltage	230 V AC, 50 Hz
Mechanical range reduction	No
Medium	Air, not aggressive
Minimum switching current	150 mA at 125 V AC
Minimum switching voltage	24 V AC / 50 Hz
Mounting / attachment	Mounting on air duct or wall mounting
Number of control ranges	1
Number of outputs	4
Number of switching stages	2
Operating voltage	None
Operation	Rotary knob
Output signal	Humidify or dehumidify, switching
Potential free switching contact	Yes
Protection class	II, following appropriate mounting
RAL colour number (similar)	7016/7035
Safety and EMC	In accordance with DIN EN 60730
Sensor element	Plastic fibres
Setting range, rel. air humidity lower value	30 %
Setting range, rel. air humidity upper value	100 %
Surface properties	Matt
Switching contact	2 two-way contacts
Switching difference	Approx. 5% r.H.
Switching difference, can be adjusted	No
Switching element	Microswitch
Switching power	3450 W
Type of protection	IP65 housing side
Width	71 mm
With explosion protection	No



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