

## Datasheet HI-1

Articlenumber: JA010100

Hygrostat, duct/wall mounting, external setting

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. Mechanical range reduction 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	71 mm
Electric connection	Screw terminals
External setting	Yes
Function type (systems engineering)	Controller
Height	67,5 mm
Housing material	Plastic ABS
Humidify / dehumidify control function	Yes
Internal setting	No
Maximum air humidity (non-condensing)	100 % r.H
Maximum switching current	15 (8) A
Maximum switching voltage	230 V AC, 50 Hz

Mechanical range reduction	Yes
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	2
Number of switching stages	1
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	Two-way contact
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	130 mm
With explosion protection	No

