

Data Sheet HI-2

Article number: JA010300

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

Used in ventilation and air conditioning ducts, air conditioning cabinets and dehumidifiers for controlling and/or monitoring humidity in industry and agriculture. Not suitable for aggressive gases. Max. Air velocity 8 m/s, with sensor protection FS-HI 15 m/s. The hysteresis between the stages is adjustable in the range of 3...15 % r.H.. Mechanical range narrowing possible with the adjustment lugs located under the setpoint knob.



Number of outputs	4
Number of switching stages	2
Number of control ranges	1
Output signal	switching
External setting	Yes
Operation	rotary knob
Diff. between switching steps (relative air humidity)	3 %
Average power consumption	0 W
Relative humidity setting range	30 ... 100 %
Electric connection	screw terminals

Colour	light grey
RAL colour number (similar)	7035
Sensor element	plastic fibres
Function type (systems engineering)	controller
Hysteresis adjustable between stages	Yes
Internal setting	No
Bearing temperature	-20 ... 60 °C
Max. air humidity (non-condensing)	100 % r.H.
Housing material	plastic ABS
Max. switching voltage	230 VAC, 50 Hz
Max. switching current	15 (8) A
Mechanical range reduction	No
Medium	Air
Min. switching voltage	24 VAC, 50 Hz
Min. switching current	150 mA at 125 V AC
Mounting/attachment	mounting on air duct or wall mounting
Surface finish	matt
Humidifying/dehumidifying control function	Yes
Switching differential	5 % r.H.
Switching difference, can be adjusted	No
Switching element	microswitch
Switching contact	2 two-way contacts

Potential free switching contact	Yes
Switching power	3450 W
Protection class	IP65
Protection class	II, following appropriate mounting
Safety and EMC	in accordance with DIN EN 60730
Ambient temperature	0 ... 60 °C
Dimensions (W x H x D)	71 mm x 130 mm x 67,5 mm

