

Data Sheet HI-1

Article number: JA010100

Hygrostat, duct/wall mounting, outdoor setting

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. Mechanical range narrowing possible with the adjustment lugs located under the setpoint knob.



Number of outputs	2
Number of switching stages	1
Number of control ranges	1
Output signal	switching
External setting	Yes
Operation	rotary knob
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
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	Yes
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	two-way contact
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 144 mm x 83 mm

