

Datasheet HI-1F

Articlenumber: JA010200

Hygrostat, duct/wall mounting, indoor setting

Used in ventilation and air conditioning ducts, climate chambers 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 internal setting makes it particularly suitable for installations where unauthorized persons are to be prevented from adjusting the setpoint.



Ambient temperature	0 ... 60 °C
Average power consumption	0 W
Bearing temperature	-20 ... 60 °C
Colour	Light grey
Dimensions (W x H x D)	71 mm x 130 mm x 67,5 mm
Electric connection	Screw terminals
External setting	No
Function type (systems engineering)	Monitor
Housing material	Plastic ABS
Internal setting	Yes
Max. air humidity (non-condensing)	95 % r.H.
Max. switching current	15 (8) A
Max. switching voltage	230 VAC, 50 Hz
Mechanical range reduction	No
Medium	Air
Min. switching current	150 mA at 125 V AC
Min. switching voltage	24 VAC, 50 Hz

Montage/Befestigung	Mounting on air duct or wall mounting
Number of control ranges	1
Number of outputs	2
Number of switching stages	1
Operation	Internal setpoint adjuster
Output signal	Switching
Potential free switching contact	Yes
Protection class	II, following appropriate mounting
RAL colour number (similar)	7035
Regelfunktion Befeuchten/Entfeuchten	Yes
Relative humidity setting range	30 ... 100 %
Safety and EMC	In accordance with DIN EN 60730
Sensor element	Plastic fibres
Surface finish	Matt
Switching contact	Two-way contact
Switching difference, can be adjusted	No
Switching differential	5 % r.H.
Switching element	Microswitch
Switching power	3450 W

