

Data Sheet HI-1F

Article number: 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.



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|---------------------------------|----------------------------|
| Number of outputs | 2 |
| Number of switching stages | 1 |
| Number of control ranges | 1 |
| Output signal | switching |
| External setting | No |
| Operation | internal setpoint adjuster |
| Average power consumption | 0 W |
| Relative humidity setting range | 30 ... 100 % |
| Electric connection | screw terminals |
| Colour | light grey |

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| RAL colour number (similar) | 7035 |
| Sensor element | plastic fibres |
| Function type (systems engineering) | monitor |
| Internal setting | Yes |
| Bearing temperature | -20 ... 60 °C |
| Max. air humidity (non-condensing) | 95 % 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 | two-way contact |
| Potential free switching contact | Yes |
| Switching power | 3450 W |

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|------------------------|------------------------------------|
| 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 |

