

## Datasheet HI-1

Articlenumber: 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.



|                                     |                        |
|-------------------------------------|------------------------|
| 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 144 mm x 83 mm |
| Electric connection                 | Screw terminals        |
| External setting                    | Yes                    |
| Function type (systems engineering) | Controller             |
| Housing material                    | Plastic ABS            |
| Internal setting                    | No                     |
| Max. air humidity (non-condensing)  | 100 % r.H.             |
| Max. switching current              | 15 (8) A               |
| Max. switching voltage              | 230 VAC, 50 Hz         |
| Mechanical range reduction          | Yes                    |
| 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                             | Rotary knob                           |
| 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                                |

