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Product info sheet Room Hygro Thermostat DUO 1060

scale range for humidity 30 ... 100 % rh scale range for temperature 10 ... 60° C

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Technical Data

Humidity

scale range	30100%rh
range of operation	3595%rh
measuring element	Polyga [®] , water resistent
measuring accuracy	+/-3.0%rh
switch	changeover contact
switching difference (microswitch)	
refering to 50%rh	approx. 4%rh
breaking capacity 250 V	
humidify	
dehumidify	5(0.2)A

breaking capacity, min	100mA, 20 DC/AC
medium temp. coefficient	0.2%/K ref. to 20°C and 50%rh
allowable air speed	15m/sec

Temperature

60° C
metal
ontact
x. 1K
)(4)A
5(2)A
()
(1)A

General Data

operating voltage	
	50/60 Hz

Please observe the notes on voltage !

mounting	wall mounting, preferably with
ventilatio	n slots at right angles to direction of airflow
fixing	slots in housing base
contacting	connecting terminals in the housing
housing	impact-resistant plastic, light grey
protective system	IP30
	0.121 kg

Description

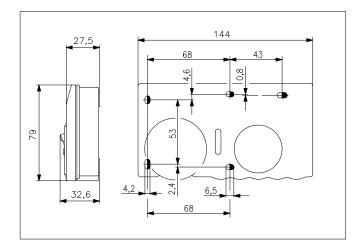
The hygro-thermostat type **DUO 1060** is used as an on-off controller to control the relative air humidity and the temperature. Typical areas of use are climatic cabinets, the control of air humidifiers and dehumidifiers in office facilities and computer rooms, storage of foodstuffs and luxury foods, cooling rooms for fruit and vegetables, green-houses for gardening use, the textile industry, the paper and printing industry, the film industry, hospitals and many more. The hygro-thermostat **DUO 1060** can be used almost anywhere that air humidity has to be regulated or monitored.

Notes on voltage

The measurement location of the humidity controller should be selected such that there is no build-up of condensate on or in the device. This applies particularly for operation with a voltage higher than 48V. If the voltage is higher, there is a risk of voltage arcing in the event of water condensation on the microswitch or connecting terminals which might destroy the controller. In the case of voltage below 48V, the humidity controller can be used up to 100%RH.

This information is based on current knowledge and is intended to provide details of our products and their possible applications. It does not, therefore, act as a guarantee of specific properties of the products described or of their suitability for a particular application. It is our experience that the equipment may be used across a broad spectrum of applications under the most varied conditions and loads. We cannot appraise every individual case. Purchasers and/or users are responsible for checking the equipment for suitability for any particular application. Any existing industrial rights of protection must be observed. The perfect quality of our products is guaranteed under our General Conditions of Sale. Issue: March 2018 DUO 1060_E. Subject to modifications.

Dimensions diagram



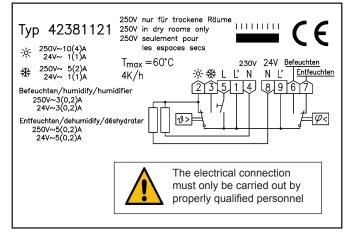
Maintenance

The measuring element is maintenance-free in pure ambient air. Aggressive media containing solvent can cause measuring errors and failure, depending on the type and concentration. Deposits which eventually form a water-repellent film over the sensor are harmful. Such substances are resin aerosols, lacquer aerosols, smoke deposits etc.

NOTE

Contact with the inner parts of the humidistat nullifies the warranty.

Connection diagram



Symbol	Meaning
I	Switch "ON"
0	Switch "OFF"
L	Phase "operating voltage"
L'	Phase "operating voltage" (on/off switch not active)
Ν	Neutral conductor operating voltage
¢	Output "heating"
*	Output "cooling"