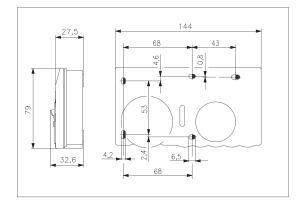
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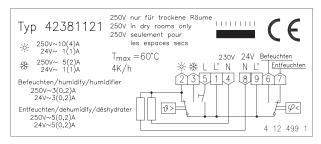




# **Dimensions diagram**



# Connection 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. As with almost all humidity measuring elements, 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 nullifies the guarantee.

# Room Hygro-Thermostat DUO 1060

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

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.

# **Technical Data**

# Humidity

scale range range of operation measuring element	
measuring accuracy	water resistent +/-3.0%rh
switch switching difference (microswi	tch)
breaking capacity 250 V	approx.4%rh
humidify dehumidify	
breakingcapacity, <i>min</i> medium temp. coefficient allowable air speed	-0.2%/K ref. to 20°C and 50%rh
Temperature	

scale range	+10 +60° C
measuring element	
switch	changeover contact
switchingdifference	approx.1K
breaking capacity 250 V	
heating	10 (4) A
cooling	
breaking capacity, min	
heating and cooling	1 (1) A

# **General Data**

operating voltage	24	or 250	VAC
		50/	60 Hz

### Please observe the notes on voltage !

0	
	slots in housing base
contacting	connecting terminals in the housing
housing	impact-resistant plastic, light grey
protective system	IP30
weight	0.121 kg

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: August 2009 DUO 1060\_D. Subject to modifications.