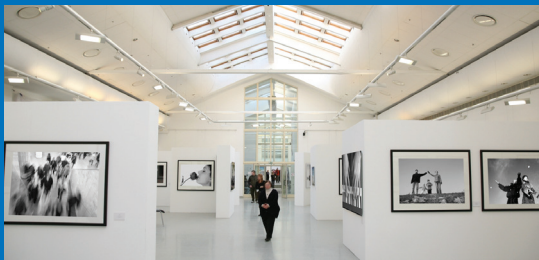


Energy-self-sufficient, robust and reliable humidistats



Humidistats

Very robust
and reliable,
no auxiliary power
required



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Humidistats

For monitoring and controlling relative humidity

Room Humidistat
Hygroswitch



Room Humidistat
HG120



Humidistat
HG80



Room Humidistat
HGMini



Technical data (extract)

Humidity measurement

measuring element	hygroscopic Polyga® fibres
range of operation	
HGMini, Hygroswitch HG120	40 ... 90 %r.h.
HG80	35 ... 95 %r.h.
accuracy	≤ ±3.5 %r.h.
influence of temperature 23 °C	≤ ± 0.2 % r.h. / K

Electrical data

Room Humidistat breaking capacity max 250V AC

ohmic load for dehumidifying	0.1 ... 5 A
ohmic load for humidifying	0.1 ... 2 A
for inductive load	0.1 ... 1 A (power factor > 0,8)





Humidistat breaking capacity

ohmic load (cos φ=1)	15 A AC / 230 V AC
inductive load (cos φ=0,7)	2 A AC / 230 V AC
direct voltage	0.25 A DC / 230 V AC

operating temperature	0 ... +60 °C
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Your advantages

- operating temperature up to 60 °C
- accuracy ±3.5 %r.h.
- very good in high humidity range
- very good long term stability, robust
- washable measuring element
- no auxiliary power
- The measuring element is maintenance-free in pure ambient air

	 HGMini	 Hygroswitch	 HG120	 HG80
1 x Changeover contact	✓	✓	✓	✓
optional currents of <100mA 1 x contact (gold plated)	✓	✓	✓	✓
optional 2 x Changeover contacts	-	-	✓	✓
optional inner rotary knob	✓	✓	✓	✓ IP64

