

The room hygrostat BO-120 is used as two-point controller in climate cabinets, as well as for humidifiers in offices and computer rooms to control the relative humidity. Other fields of application for BO-120 are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals. The setpoint is adjusted at a rotary button on the outside.

### Specification

- Room hygrostat, 1-stage
- One change-over contact
- Dynamic humidity sensor element
- Assembly-friendly housing made of impact-resistant plastic, light grey
- To be used up to 60°C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30... 100	%RH
Range	40... 90	%RH
Switching capacity	max. 250	VAC
▪ with resistive load for humidification	max. 2	A
Influence of temperature at 23 °C	± 0.2	%RH/K

### Dimensions

Built in dimensions of housing –		
Height x width x depth	70 x 115 x 42	mm
Weight	0.12	kg

### Conditions of use

Operating temperature	0...+60	°C
Protection class	IP20	
Measuring medium	air, pressureless, non-aggressive	
Min. air speed	0.2	m/s
Max. air speed	8	m/s

### Scope of delivery

- BO-120 room hygrostat, 1-stage

### Product specification

Brand	AIRWIN®
Type	BO-120
Item no.	6100096



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The room hygrostat BO-120/2 is equipped with 2 switch contacts and is used as two-point controller in cabinets, as well as for humidifiers in offices and computer rooms to control the relative humidity. Other fields of application for BO-120/2 are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals.

Parallel to the first micro-switch, BO-120/2 comes with a second micro-switch, the switching point of which is firmly linked with that of the first micro-switch. The first setpoint value is adjusted at the rotary button on the outside of the housing, the second is set to a switching distance of + 6%RH at the factory. (On request, the switch distance can be changed at the factory up to approx. 12%RH.)

### Specification

- Room hygrostat, 2-stages
- Two changeover contacts
- Dynamic humidity sensor element
- Assembly-friendly housing made of impact-resistant plastic, light grey
- To be used up to 60°C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30... 100	%RH
Control range	40... 90	%RH
Switching capacity	max. 250	VAC
▪ with resistive load for humidification	max. 2	A
Influence of temperature at 23 °C	± 0.2	%RH/K

### Dimensions

Built-in dimensions of housing – Height x width x depth	70 x 115 x 42	mm
Weight	0.12	kg

### Conditions of use

Operating temperature	0.. +60	°C
Protection class	IP20	
Measuring medium	air, pressureless, non-aggressive	
Min. air speed	0.2	m/s
Max. air speed	8	m/s

### Scope of delivery

- BO-120/2 room hygrostat, 2-stages

### Product specification

Brand	AIRWIN®
Model	BO-120/2
Item no.	6100102



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The room hygrostat BO-HG-M convinces by its small design and is used as a two point controller for the control of humidifiers in offices and computer rooms. Other fields of application for BO-HG-M are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals. The setpoint is adjusted at a rotary button on the outside.

### Specification

- Mini room hygrostat, 1-stage
- One change-over contact
- Water-resistant measuring element
- Assembly-friendly housing made of impact-resistant plastic, light grey
- To be used up to 60 °C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30...100	%RH
Control range	40...90	%RH
Switching capacity	max. 250	VAC
▪ with resistive load for humidification	max. 2	A
Influence of temperature at 23 °C	≤± 0.2	%RH/K

### Dimensions

Built-in dimensions housing		
Height x width x depth	55 x 85 x 36	mm
Weight	0.06	kg

### Conditions of use

Operating temperature	0.. +60	°C
Protection class of housing	IP20	
Measuring medium	air, pressureless, non-aggressive	
Min. air speed	0.2	m/s
Max. air speed	8	m/s

### Scope of delivery

- BO-HG-M mini room hygrostat, 1-stage

### Product specification

Brand	AIRWIN®
Type	BO-HG-M
Item no.	6100103



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The room hygrostat BO-HG-Mi convinces by its small design and is used as a two point controller for the control of humidifiers in offices and computer rooms. Other fields of application for BO-HG-Mi are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals. The setpoint is adjusted by means of the knob on the inside of the housing. Thus, it is more difficult for unauthorized persons to change the settings.

### Specification

- Mini room hygrostat, 1-stage with internal rotary button
- One change-over contact
- Water-resistant measuring element
- Assembly-friendly housing made of impact-resistant plastic, light grey
- To be used up to 60 °C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30...100	%RH
Control range	40...90	%RH
Switching capacity	max. 250	VAC
▪ with resistive load for humidification	max. 2	A
Influence of temperature at 23 °C	± 0.2	% RH/K

### Dimensions

Built-in dimension of housing		
Height x width x depth	55 x 85 x 36	mm
Weight	0.06	kg

### Conditions of use

Operating temperature	0...+60	°C
Protection class housing	IP20	
Measuring medium	air, pressureless, non-aggressive	
Min. air speed	0.2	m/s
Max. air speed	8	m/s

### Scope of delivery

- BO-HG-MI mini hygrostat, 1-stage with internal rotary button

### Product specification

Brand	AIRWIN®
Type	BO-HG-Mi
Item no.	6100104



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The room hygrostat BO-HYG-1 is used as a two point controller for the control of humidifiers in offices and computer rooms. Other fields of application for BO-HYG-1 are the storage of food and beverages, cold stores for fruit and vegetables, green-houses in horticulture, the textile, paper and printing industry, the film industry and hospitals. The setpoint is adjusted at a rotary button on the outside.

### Specification

- Room hygrostat
- One change-over contact
- Water-resistant measuring element
- Assembly-friendly housing made of impact-resistant plastic, light grey
- To be used up to 60 °C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30...100	%RH
Control range	40...90	%RH
Switching capacity	max. 250	VAC
▪ with resistive load for humidification	max. 2	A
Influence of temperature at 23 °C	≤± 0.2	%RH/K

### Dimensions

Built-in dimensions of housing		
Height x width x depth	81 x 81 x 28	mm
Weight	0.058	kg

### Conditions of use

Operating temperature	0... +60	°C
Protection class	IP30D	
Measuring medium	air, pressureless, non-aggressive	
Min. air speed	0.2	m/s
Max. air speed	8	m/s

### Scope of delivery

- BO-HYG-1 room hygrostat, 1-stage

### Product specification

Brand	AIRWIN®
Type	BO-HYG-1
Item no.	6100105



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The duct hygrostat BO-80 is used as two-point controller to control the relative humidity in air conditioning systems and climatic cabinets. Other fields of application for BO-80 are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals. The setpoint value is set using the external rotary knob.

### Specification

- Duct hygrostat, 1-step
- One changeover contact
- Water resistant and washable measuring element
- Assembly-friendly housing made of ABS plastic, light grey
- To be used up to 60°C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30...100	%RH
Operating range	35...95	%RH
Measurement accuracy		
▪ at > 50 %RH	± 3.5	%RH
▪ at < 50 %RH	± 4	%RH
Switching capacity	max. 250	VAC
▪ with ohmic load	15	A / 230 VAC
▪ with inductive load	2	A / 230 VAC
▪ with DC voltage	0.25	A / 230 VAC

### Dimensions

Installation dimension housing		
– height x width x depth	120 x 80 x 72	mm
Sensor pipe length	220	mm
Weight	0.7	kg

### Conditions of use

Operating temperature	0...+60	°C
Protection class	IP54	
Measuring medium	air, pressureless, non-aggressive	
Max. Air speed	8	m/s

### Scope of delivery

- BO-80 duct hygrostat, 1-step

### Product specification

Brand	AIRWIN®
Model	BO-80
Item no.	6100097



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The duct hygrostat BO-80/2 is equipped with two changeover contacts and is used as two-point controller to control the relative humidity in air conditioning systems and climatic cabinets. Other fields of application for BO-80/2 are the storage of food and beverages, cold stores for fruit and vegetables, greenhouses in horticulture, the textile, paper and printing industry, the film industry and hospitals. Parallel to the first micro-switch, also BO-80/2 has a second micro-switch. This allows a second target value to be set and is coupled with the first setpoint. The switching interval can be set from 0 to 15% RH. The first setpoint value is set using the external rotary knob, the second with a screwdriver inside the housing.

### Specification

- Duct hygrostat, 2-steps
- Two changeover contacts
- Water resistant and washable measuring element
- Assembly-friendly housing made of ABS plastic, light grey
- To be used up to 60°C

### Technical data

Measuring element	hygroscopic synthetic fibres	
Scale range	30...100	%RH
Operating range	35...95	%RH
Operating distance between the micro-switches	0...15	%RH
Measurement accuracy		
▪ at > 50 %RH	± 3.5	%RH
▪ at < 50 %RH	± 4	%RH
Switching capacity	max. 250	VAC
▪ with ohmic load	15	A / 230 VAC
▪ with inductive load	2	A / 230 VAC
▪ with DC voltage	0.25	A / 230 VAC

### Dimensions

Installation dimension housing		
– height x width x depth	120 x 80 x 72	mm
Sensor pipe length	220	mm
Weight	0.7	kg

### Conditions of use

Operating temperature	0...+60	°C
Protection class	IP54	
Measuring medium	air, pressureless, non-aggressive	
Max. Air speed	8	m/s

### Scope of delivery

- BO-80/2 duct hygrostat, 2-steps

### Product specification

Brand	AIRWIN®
Model	BO-80/2
Item no.	6100095



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