



# Humidcon-s

## Humidity controller

The Humidcon-s can control the humidity in a building by activating a misting system and fans. The 'on' and cycle time of the valves in the misting system can be set accurately using the programmable timer.

If no humidity sensor is connected, the fans continue to run and the valves in the misting system are activated continuously, in accordance with the preset 'on' and cycle time.

If a humidity sensor has been connected, the relative humidity can be read off and set. When the reading is too low, the Humidcon-s regulates the relative humidity by activating the misting valves in cycles, in accordance with the preset value. If the humidity climbs above the set value, the misting valves are disactivated and the fan continues to run for one hour.

### Advantages

- Controls humidity simply
- Accurate misting system

### Characteristics

- Simple humidity control through a programmable timer for misting activation
- When used with humidity sensor: automatic humidity control based on preset values (relative humidity (RH), 'on' and cycle time).
- Fan (for recirculation) is activated automatically

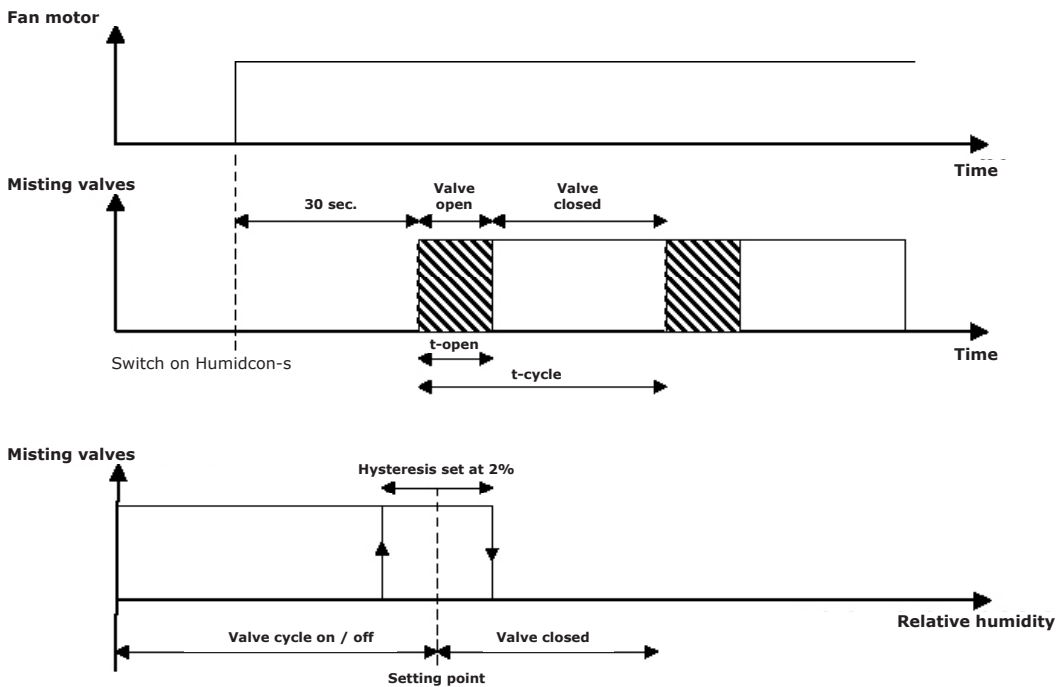


Inputs	Settings	Outputs
Humidity sensor	Relative humidity set value (RH) Cycle time for misting	Fan on / off Spray valves on / off

## Specification Humidcon-s

Definitie	Min.	Typ.	Max.	Units	Comments
Type of controller					Humidity controller
Supply voltage	104	115	126	V	Setting range 110V / 230V
	207	230	253	V	
Nominal current consumption			10	VA	
Supply voltage frequency	50		60	Hz	
Fan motorrelay: maximum current	0,1		5	A	at 230V
Misting valverelay: maximum current	0,1		1	A	at 230V
Misting valve timer:					
Cycle time (t-cycle)	0		120	s	
Valve open- ON time (t-open)	0		120	s	
Setting range relative humidity	5		98	%	
Read-out relative humidity	5		99	%	
Input signal input humidity sensor		0-10		V	dc at 20 K Ohm
Supply voltage humidity sensor		24		V	dc, max. load 200 mA
Housing					IP54 plastic
Weight (unpacked)		1,4		kg	
Dimensions (B x H x D)		240 x 200 x 160		mm	
Operating temperature	0		40	°C	
Storage temperature	-15		50	°C	

## Control diagram



**Vostermans Ventilation developed the open modular system Mf-Net for various applications. Mf-Net is applied in agricultural and industrial market segments.**



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Vostermans Ventilation B.V. develops, manufactures and distributes the full line of:



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