



# AEW-D 10

## Digital Climate Controller

The AEW-D 10 enables continuous climate control by fan control based on temperature. It offers the possibility to control a heater and an alarm. Minimum and maximum ventilation level is adjustable. The AEW-D 10 is equipped with an auto cooling down correction, an air inlet signal and a programmable 0-10V output signal. It can easily be expanded. One of the options is to connect multiple Trilink-2T controllers to drive and control additional fans.





### Benefits

- Smooth fan operation
- Low initial investment
- Easy to install
- Easy to operate
- Applicable for both new and existing ventilation systems

### Features

- Continuous variable speed control for fans
- Auto cooling down correction (bandwidth compensation)
- Heater relay contact
- Alarm relay contact
- Independantly programmable 0-10V output signal for air inlets or additional controllers
- Built-in voltage and current protection
- Ventilation status read-out
- 100% override switch
- Temperature sensor included
- Empty room function

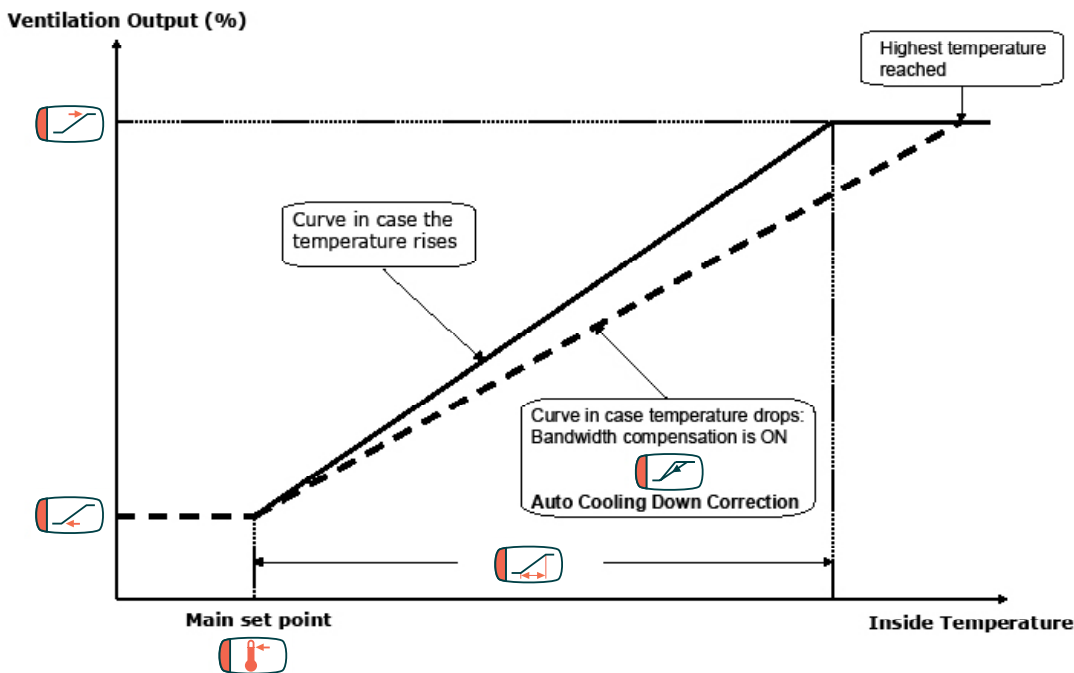


Inputs	Adjustments	Outputs
Temperature sensors	 Set point <ul style="list-style-type: none"> <li>• ventilation</li> <li>• heater</li> <li>• alarm (min. and max.)</li> <li>• 0-10V (air inlets)</li> </ul>  Minimum values <ul style="list-style-type: none"> <li>• ventilation</li> <li>• 0-10V (air inlets)</li> </ul>  Maximum values <ul style="list-style-type: none"> <li>• ventilation</li> <li>• 0-10V (air inlets)</li> </ul>  Bandwidth <ul style="list-style-type: none"> <li>• ventilation</li> <li>• 0-10V (air inlets)</li> </ul>	Ventilation Control  0-10 Volt for air inlets or additional controls  Heater relay contact  Alarm relay contact

## Specifications AEW-D 10

Definition	Min.	Typ.	Max.	Units	Notes
Controller Type					Triac controller
Fuse F1 (fan output)		12,5		A	T <sub>1</sub> size 5 x 20 mm
Mains supply	207	230	253	V	Single-phase
Mains frequency	50		60	Hz	
Fan output voltage	70		230	V	
Fan output current	0,5		10	A	
Heater relay contact			8 250	A V	
Alarm relay contact	10		2	mA A	24V DC or 24V AC max.
0-10V output			30	mA	
Accuracy on variable outputs		±1		%	
Temperature sensor resistance		10K (25 °C)		Ω	NTC, moulded in plastic housing
Temperature display readout	-40		50	°C	
Accuracy on temperature reading		±1		°C	
Housing					IP54 plastic housing
Weight (unpacked)		1,7		kg	
Dimensions (W x H x D)		267 x 225 x 104		mm	
Operational temperature	0		40	°C	
Storage temperature	-15		50	°C	
Ambient relative humidity			95	%	

## Control Diagram AEW-D 10



**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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