



Master-5

Digital Climate Controller

The Master-5 is a main controller, to which simple 0-10V modules (e.g. triac or frequency controller) can be connected. The Master-5 enables through a 0-10V signal, continuous variable climate control, based on temperature. It offers the possibility to control a heater and an alarm. Minimum and maximum ventilation level is adjustable. The Master-5 is equipped with an auto cooling down correction, 2 programmable 0-10V output signals. One of the options is to connect several modules, to control and drive fans, transformers, winch motors and valves.





Benefits

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

Features

- 2 Independently programmable 0-10V output signals for e.g. air inlets or external controllers
- Auto cooling down correction (bandwidth compensation)
- Heater relay contact
- Alarm relay contact
- Status read-out
- Temperature sensor included
- "Empty room" function

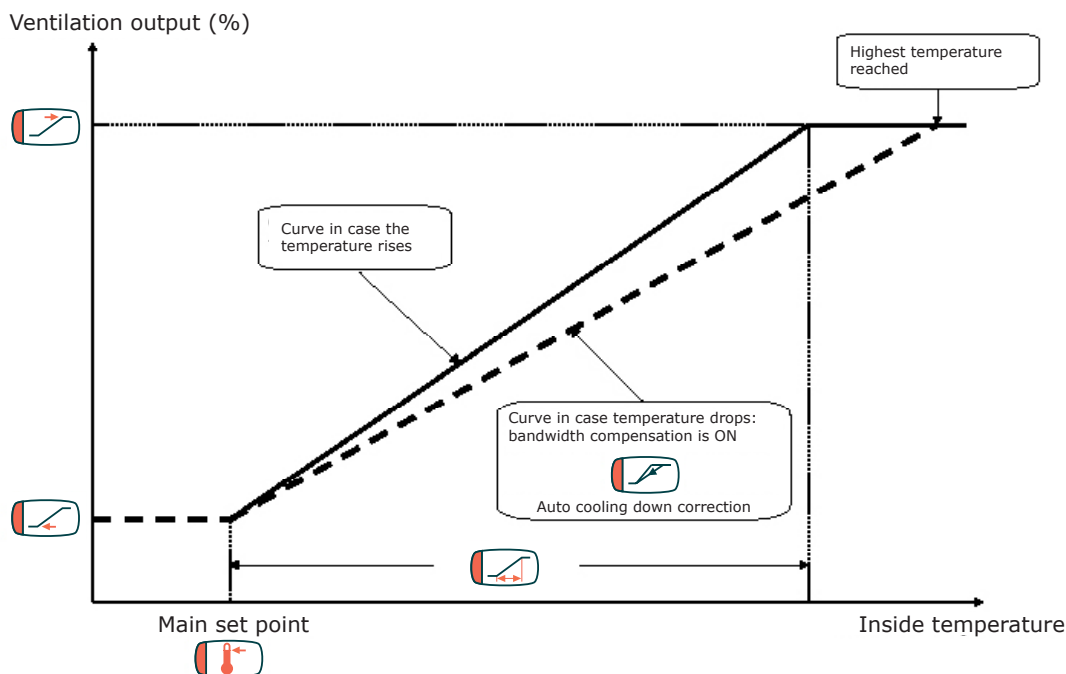


Inputs	Adjustments		Outputs
Temperature sensor	   	Set point <ul style="list-style-type: none"> • ventilation • heating • alarm (min. and max.) • 0-10V (air inlets) Minimum value <ul style="list-style-type: none"> • ventilation • 0-10V (air inlets) Maximum value <ul style="list-style-type: none"> • ventilation • 0-10V (air inlets) Bandwidth <ul style="list-style-type: none"> • ventilation • 0-10V (air inlets) 	0-10V for e.g. ventilation control through external controls 0-10 Volt for air inlets or additional controllers Heater relay contact Alarm relay contact

Specification Master-5

Definition	Min.	Typ.	Max.	Units	Remarks
Controller type					Main controller
Mains supply	207	230	253	V	Single-phase
Mains frequency	50		60	Hz	
Heater relay contact			8 250	A V	
Alarm relay contact	10		2	mA A	24V DC or 24V AC max.
2 x 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
Weight (unpacked)		1,5 kg		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 Master-5



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:

