

Digital Electronic Step Thermostat (cascade)

The ETD-C enables climate control by direct fan control based on temperature by sequentially switching fans on and off (cascade). It offers the possibility to control a heater and an alarm. Minimum and maximum ventilation level is adjustable. The ETD-C is equipped with an auto cooling down correction, an empty room function, a programmable 0-10V output signal for controlling an air inlet or fan. The maximum total current is 10 Amps for all relays together. To deal with higher currents or to drive three-phase fans additional contacts could be necessary.

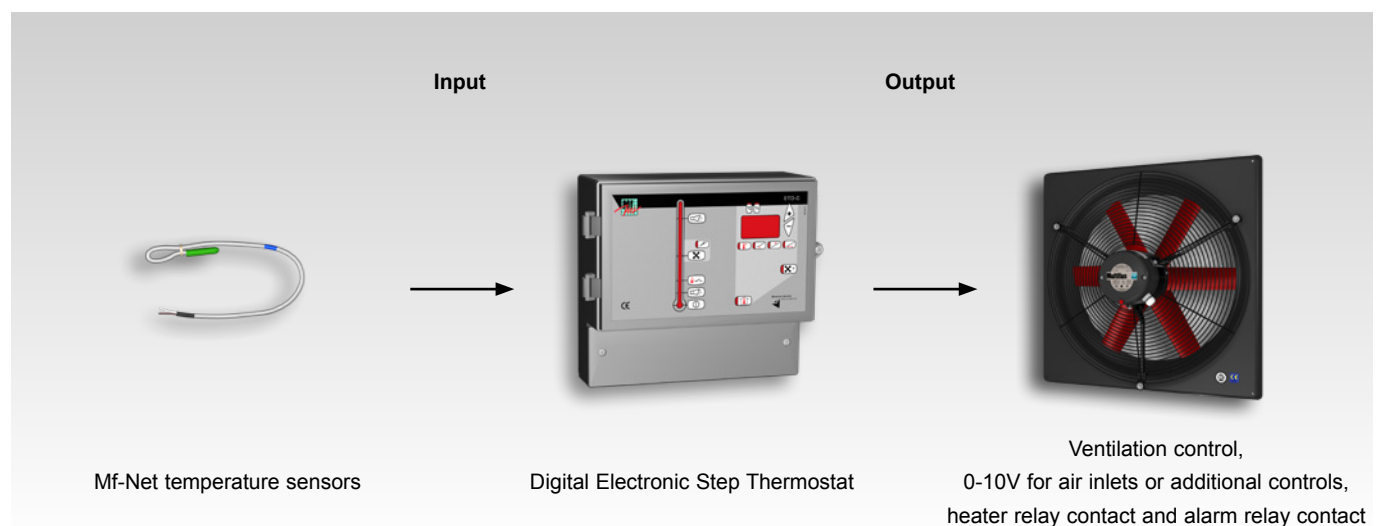


Benefits:

- Low investment
- Easy to install
- Easy to operate
- Applicable for both new and existing ventilation systems

Features:

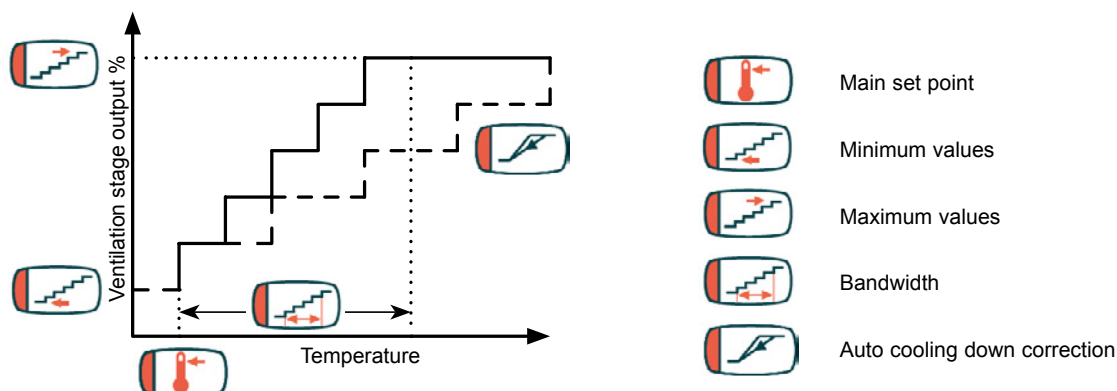
- Control for sequentially switching fans on and off in 5 steps
- Auto cooling down correction (bandwidth compensation)
- Heater relay contact
- Alarm relay contact
- Empty room function
- Independently programmable 0-10V output signal for air inlets or additional controllers
- Built-in voltage and current protection
- Ventilation status read-out
- Temperature sensor included



Specifications ETD-C

Definition	Min.	Type	Max.	Notes
Controller type				Electronic Step Thermostat (relays)
Mains supply	207 V	230 V	253 V	1~
Mains frequency	50 Hz		60 Hz	
Fan output stages	1		5	
Fan current	0,5 A		10 A	All relays together
Heater relay contact			8 A / 250 V	
Alarm relay contact	10 mA		2A	24V DC or 24V AC max.
0 - 10 V output			30 mA	
Temperature sensor resistance		10K ((25 °C) Ω		NTC, moulded in plastic housing
Temperature display readout	-40 °C		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 °C		50 °C	
Ambient relative humidity			95 %	

Control diagram



Why choose Vostermans Ventilation:

LOYAL TO YOU

We care for your specific needs based on our long expertise. In close cooperation with you we secure your business outcomes.

RELIABLE

Since our foundation in the Netherlands in 1952, we maintain our reputation as reliable partner. Our carefully selected global network of independent distributors strive to deliver you dedicated service and expertise.

FUTURE PROOF

Our future proof approach, which combines energy efficiency solutions with robust quality and rigorous testing, is based on a genuine commitment to serve as a trusted partner.

Vostermans Ventilation is a global developer and manufacturer of sustainable axial fans for the agricultural and industrial market. Sustainability is key for Vostermans. Their premium brandlines Multifan and EMI are showcasing the drive for advanced energy efficient fans. The company applies continuous innovation and research in their own motor production facility and in house state of the art R&D department. Vostermans Ventilation, part of Vostermans Companies founded in 1952, is based in Venlo, the Netherlands and operates in USA, China and Malaysia.



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