ETD-S

Digital Electronic Step Thermostat

The ETD-S enables climate control in combination with a step transformer. It controls a fan motor based on temperature. The ETD-S can control a heater and an alarm. Minimum and maximum ventilation level is adjustable. The ETD-S is equipped with an auto cooling down correction and an empty room function. It is especially made to control Mf-Net transformers (such as the STW-A, the SEA and the STD-A). The ETD-S can also control non Mf-Net single-phase transformers up to 10 Amps. To deal with currents higher than 10 Amps or with three-phase transformers, additional contacts could be necessary.
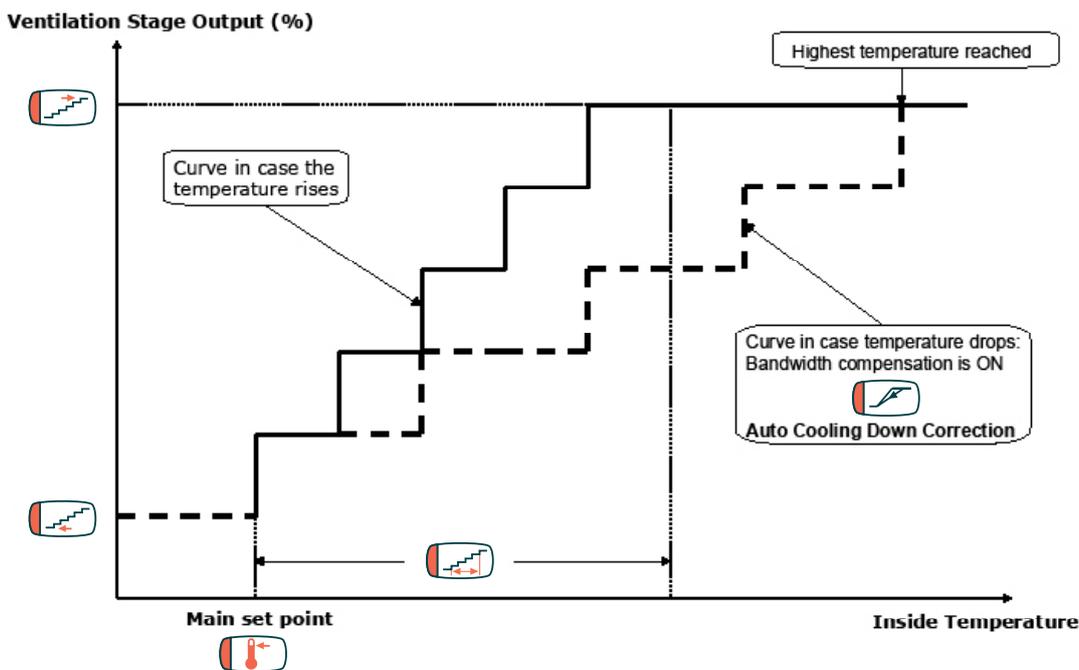
Benefits
- Low investment
- Easy to install
- Easy to operate
- Applicable for both new and existing ventilation systems

Features
- 5-step speed control for fans
- Auto cooling down correction (bandwidth compensation)
- Heater relay contact
- Alarm relay contact
- Empty room function
- Built-in voltage and current protection
- Ventilation status read-out
- Temperature sensor included

Inputs	Adjustments		Outputs
Temperature sensors		Set point • ventilation • heater • alarm (min. and max.)	Ventilation control
		Minimum values • ventilation	Heater relay contact
		Maximum values • ventilation	Alarm relay contact
		Bandwidth • ventilation	

Specifications ETD-S

Definition	Min.	Typ.	Max.	Units	Notes
Controller Type					Electronic Step Thermostat (relays)
Mains supply	207	230	253	V	Single-phase
Mains frequency	50		60	Hz	
Fan output stages	1		5		
Fan current	0,5		10	A	All relays together
Heater relay contact			8	A	
			250	V	
Alarm relay contact	10			mA	24V DC or 24V AC max.
			2	A	
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 ETD-S

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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