

Single Phase Frequency Controller

The Optidrive enables efficient single-phase fan speed control based on a 0-10V, 10-0V or 4-20 mA input signal, potentiometer, Modbus RTU or CAN open. It extends the motor lifetime by operating it at significantly lower temperatures. Minimum and maximum frequency is adjustable. The maximum output current is 7 Amps.

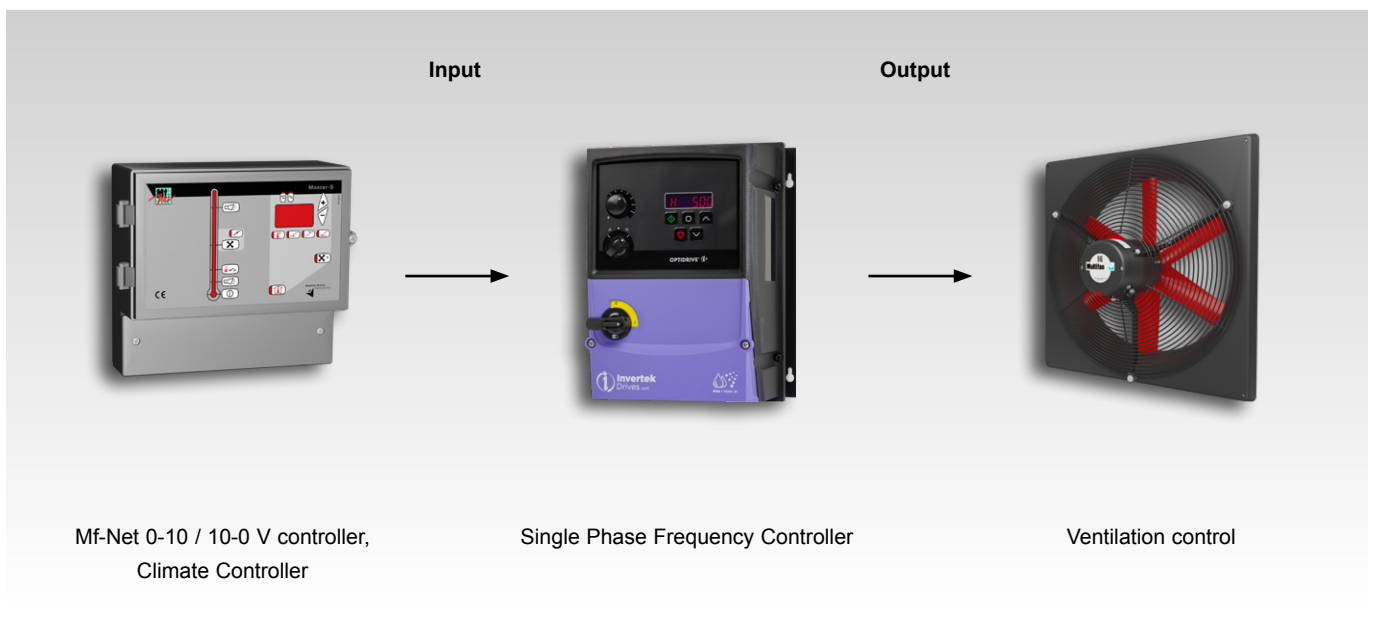


Benefits:

- High return on investment:
- Saves energy up to 60%
- Extends fan motor lifetime
- Smooth fan operation
- Easy to install
- Easy to operate
- Integrated EMC filter (EN61800-3 Cat C1/C2)
- Boost starting cycle
- Applicable for both new and existing ventilation system

Features:

- Continuous variable speed control for fans
- Alarm relay contact
- Front panel potentiometer control
- 10V DC output for external potentiometer control
- Built-in motor thermal overload, voltage, current and temperature protection
- Single-phase in / single-phase out
- Status read-out display
- Manual mode: run at a preset frequency
- V/f curve customization
- Fitted with main switch



Mf-Net 0-10 / 10-0 V controller,
Climate Controller

Single Phase Frequency Controller

Ventilation control

Specifications Invertek Optidrive E3

Definition	Min.	Type	Max.	Notes
Controller type				Frequency drive
Mains input phases		1		
Mains supply	180 V		264 V	1~
Mains frequency	50 Hz		60 Hz	
Output Power			750 VA	
Output current			7 A	
Output frequency		50/60 Hz		
Output cable length			100 m*	Shielded cable
Internal EMC filter		Yes		Category C1
Input speed control		0 - 10 V 10 - 0 V 4 - 20 mA		
10 V output current			10 mA	
Optional potentiometer value	1 kΩ			
Alarm relay contact		Normally open	6 A 5 A	@250 V ac @ 30 V dc
Housing		IP66 / NEMA 4X		
Weight (unpacked)		3,1 kg		
Dimensions (W x H x D)		161 x 232 x 179 mm		
Operational temperature	-10 °C		40 °C	
Storage temperature	-40 °C		60 °C	
Ambient relative humidity			95 %	Non condensing

* Depends on EMC category and additional EMC measures for an EMC compliant installation.

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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