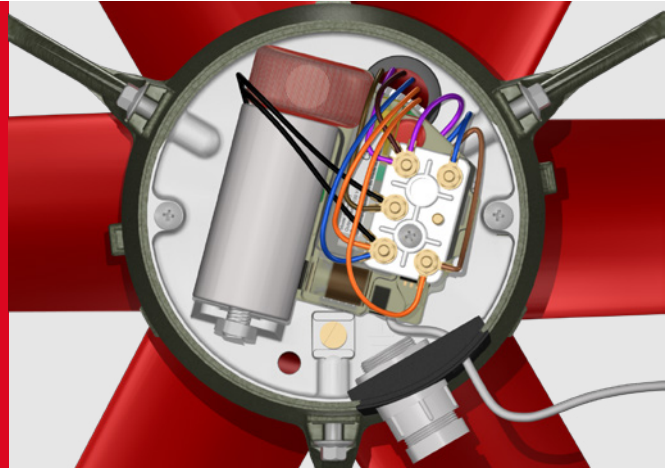


Integrated Triac Controller

The Trinc-1 and Trinc-2 enable continuously variable speed control for single phase fans. It is integrated in the fan motor. By detecting the speed of the fan motor it can correct speed variations. As a consequence the end-user is assured that the correct Revolutions Per Minute (RPM) are maintained, independant of external wind or pressure influences.



Benefits:

- Low investment
- Accurate speed control (RPM)
- No external power stage necessary
- Applicable for both new and existing Multifan, EMI and Mf-Flex motors.

Features:

- Multiple controller inputs
 - 0-10V
 - Potentiometer (example application: mobile fans)
 - EMI data signal
- The Trinc-1 and Trinc 2 can be used with or without RPM feedback magnet
- Automatic fan speed detection mechanism

Encapsulated Electronics

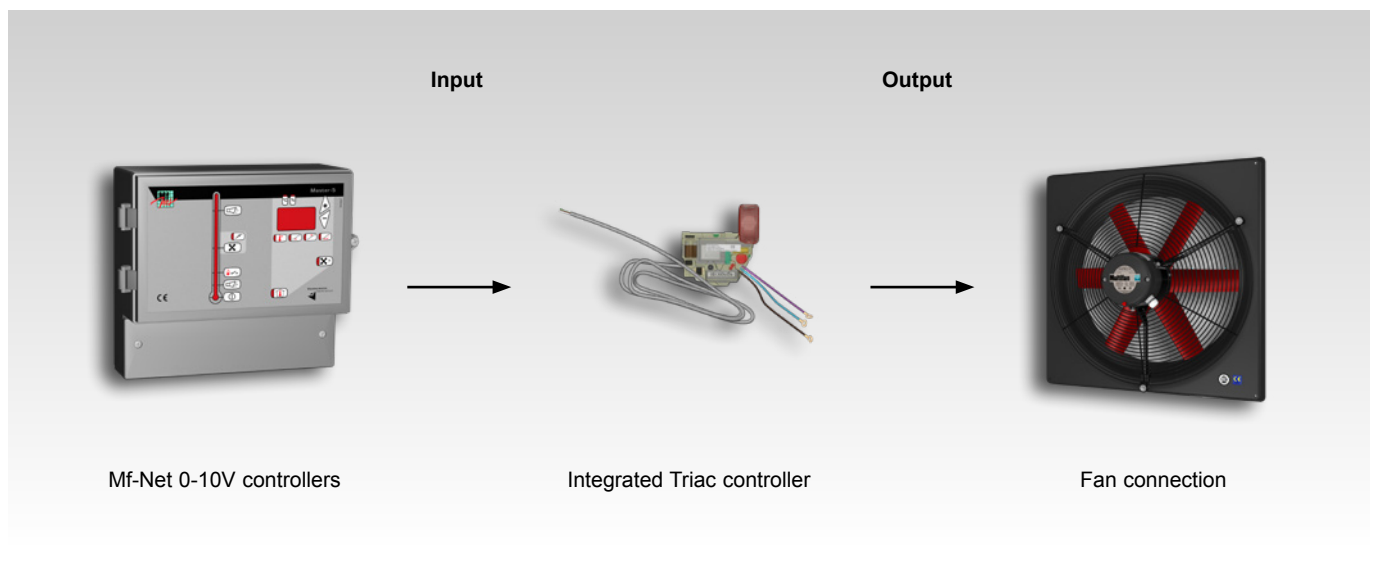
The Trinc-1 and Trinc-2 power modules are encapsulated via an innovative low pressure injection moulding technology. Similar techniques are applied in the automotive industry where reliability under harsh conditions and compact design are key factors.

Benefits:

- Optimal protection against harsh environmental influences:
 - Humidity
 - Mechanical stress
 - Aggressive gases
- High reliability

Features:

- Minimal dimensions enabling retrofits in existing Multifan, EMI and Mf-Flex applications.



Specifications Trinc-1 and Trinc-2

Definition	Min.	Type	Max.	Notes
Controller Type				Triac controller
Mains supply Trinc-1 Mains supply Trinc-2	200 V 90 V	230 V 120 V	264 V 138 V	1~
Mains frequency	50 Hz		60 Hz	
Max. output power Trinc-1 Max. output power Trinc-2			875 VA 475 VA	
Fan output voltage Trinc-1 Fan output voltage Trinc-2	55 V 30 V		Vin-5	Function of input voltage
Fan output current	0,5 A		3,8 A	
Input speed control	0 V		10 V	
Input impedance		25 kΩ		At 10V input
Control voltage input current		1 mA		At 10V input
Max. signal cable length	0 m		300 m	Cable size: AWG 18/1 mm ²
Speed accuracy		± 20 U/min		
Housing				IP55
Operational temperature	0 °C	25 °C	75 °C	
Storage temperature	-20 °C		80 °C	
Ambient relative humidity			95%	Non-condensing
Potentiometer value	10 kΩ			

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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