

Relink-3i

Electronic Airinlet Controller

The Relink-3i enables the control of a motor driven air inlet or curtain based on a 0-10V input signal. The Relink-3i can control winch motors with and without potentiometer feedback. With potentiometer feedback the position of the valve is determined by the value of the potentiometer. Without this feedback the position is based on the running time of the valve.

Advantages

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

Features

- Automatic control of winch motor driven air inlets or curtains
- To be applied
 - with potentiometer feedback, without limit switches connected to the Relink-3i
 - with potentiometer feedback, with limit switches connected to the Relink-3i
 - without potentiometer feedback, with limit switches connected to the Relink-3i based valve running time
- Automatic calibration
- Automatic recalibration (can be switched off) in case of running time mode (without potentiometer feedback)
- Configurable 10-0V drive instead of 0-10V to open the inlets completely in case of power failure (emergency power supply necessary)



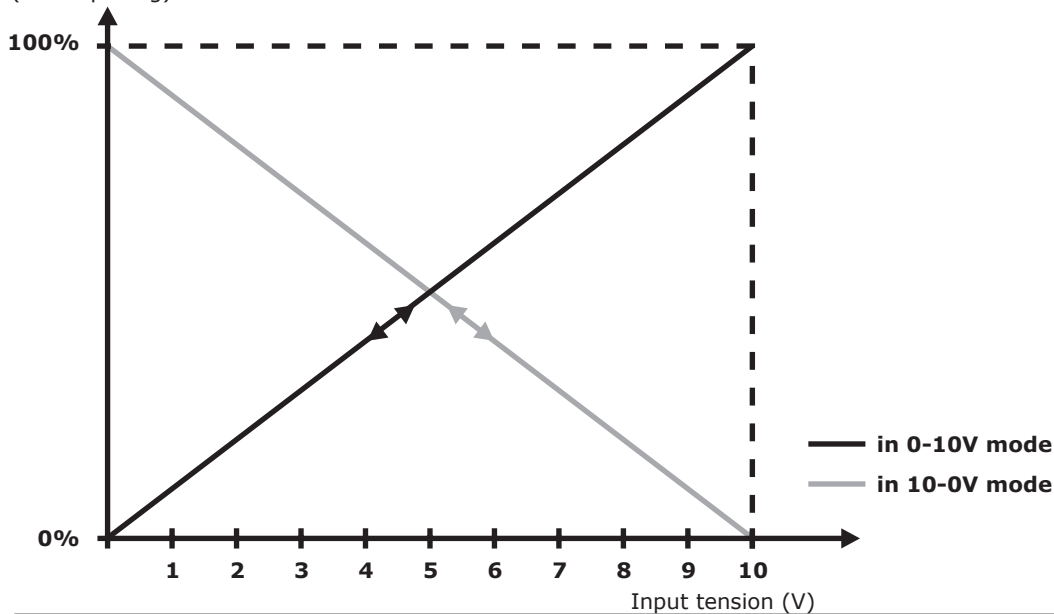
Inputs	Adjustments	Outputs
Control signal <ul style="list-style-type: none"> • 0-10V or 10-0V • potentiometer 1K-10K Ohm Limit switches (open/close) <ul style="list-style-type: none"> • 12V inlets 	Not applicable	Tension free 6A relay contact for winch motor (for air inlet) Alarm relay

Specifications Relink-3i

Definition	Min.	Typ.	Max.	Units	Remarks
Controller type					electronic air inlet control
Mains supply	207	230	253	V	single-phase
Mains frequency	50		60	Hz	
Input control signal	0 10		10 0	V V	adjustable with DIP switch
Input impedance	20K			Ω	
Input accuracy		± 1		%	
Alarm relay contact	10		2	mA A	24V DC or 24V AC max.
Output relay contacts (2x)			6	A	for winch motor relay
Potentiometer range	1K		20k	Ω	for drive via potentiometer
Housing					IP54 plastic housing
Weight (unpacked)		1,3		kg	
Dimensions (WxDxH)		267 x 225 x 104		mm	
Operational temperature	0		40	$^{\circ}\text{C}$	
Storage temperature	-15		50	$^{\circ}\text{C}$	
Ambient relative humidity			95	%	

Functioning of the Relink-3i in 0-10V mode

Output Relink 3i
(Inlet opening)



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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