

Electronic fan speed controller, DIN rail

DRX and DRY series are variable speed controllers for AC fans with single-phase voltage controllable motor. They provide high to low (DRX) or low to high (DRY) output regulation and minimum output voltage adjustment. The controller enclosure is designed for mounting onto a standard 35 mm DIN rail.



Key features

- Output voltage regulation: from minimum to maximum (DRY series) / from maximum to minimum (DRX series)
- Output voltage range: 60–230 VAC
- Adjustable minimum speed: by trimmer
- DIN rail mounting (DIN EN 50022)
- Green LED operating indication

Area of use

- Fan speed control of voltage controllable motors in ventilation systems
- For indoor use only

Article codes

Article code	Max. rated current, [A]	Fuse (5*20 mm), [A]
LOW TO HIGH SPEED		
DRY-1-15-AT	1,5	F-3,15 A-H
DRY-1-25-AT	2,5	F-5,0 A-H
HIGH TO LOW SPEED		
DRX-1-15-AT	1,5	F-3,15 A-H
DRX-1-25-AT	2,5	F-5,0 A-H

Technical specifications

Power supply	230 VAC ±10 % / 50–60 Hz	
Regulated output	60–230 VAC	
Unregulated output	230 VAC / 0,5 A	
Ambient conditions	Temperature	0–40 °C
	Relative humidity	< 80 % rH (non-condensing)
Protection standard	IP30 (according to EN 60529)	

Wiring and connections

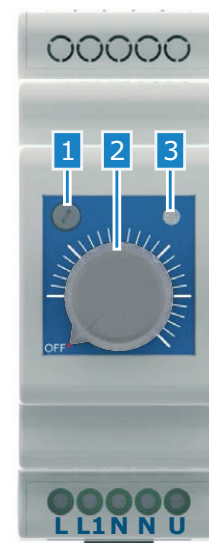
L, N	Supply voltage, 230 VAC ±10 % / 50–60 Hz
U, N	Regulated output
L1, N	Unregulated output 230 VAC / 0,5 A
Connections	Cable cross section: max. 2,5 mm ²

Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC: EN 61326
- DIN rail EN 50022
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU



Settings



1 - Speed adj. trimmer	Adjusts the min. output voltage setting (factory preset 100 VAC)	
2 - Output voltage adjustment potentiometer	Potentiometer to regulate fan speed	
3 - Normal operation LED indication	Constant green	Indicates normal operation

Note: To disable the OFF position, connect the 230 VAC supply voltage to the unregulated output (L1). In this case, do not connect the power supply to L.

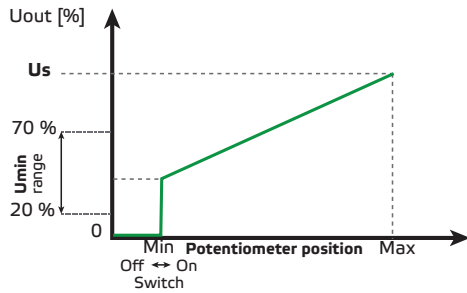


DR

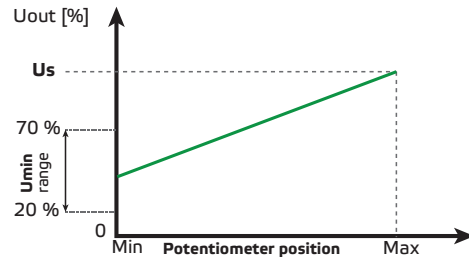
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Operational diagrams

OFF position enabled: supply voltage connected to L and N

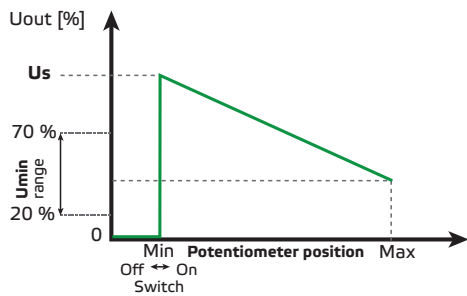


OFF position disabled: supply voltage connected to L1 and N

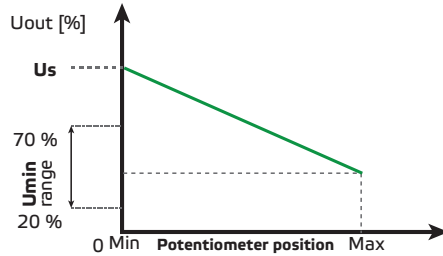


DRY: from low to high speed

OFF position enabled: supply voltage connected to L and N

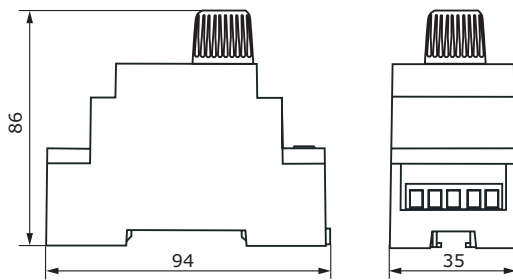


OFF position disabled: supply voltage connected to L1 and N

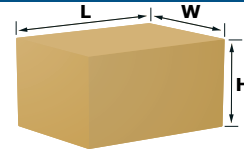


DRX: from high to low speed

Fixing and dimensions



Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
DRY-1-15-AT	Unit (1 pc.)	96	94	40	0,67 kg	0,119 kg
DRX-1-25-AT	Box (20 pcs.)	325	210	155	1,34 kg	2,65 kg
DRY-1-25-AT	Unit (1 pc.)	96	94	40	0,10 kg	0,12 kg
DRX-1-25-AT	Box (20 pcs.)	325	210	155	1,90 kg	2,59 kg

Global trade item numbers (GTIN)

Packaging	Unit	Box
DRY-1-15-AT	05401003001820	05401003500620
DRX-1-25-AT	05401003001837	05401003500637
DRY-1-25-AT	05401003001851	05401003500644
DRX-1-25-AT	05401003001868	05401003500651