

# ITR

## Electronic digital fan speed controller



### Key features

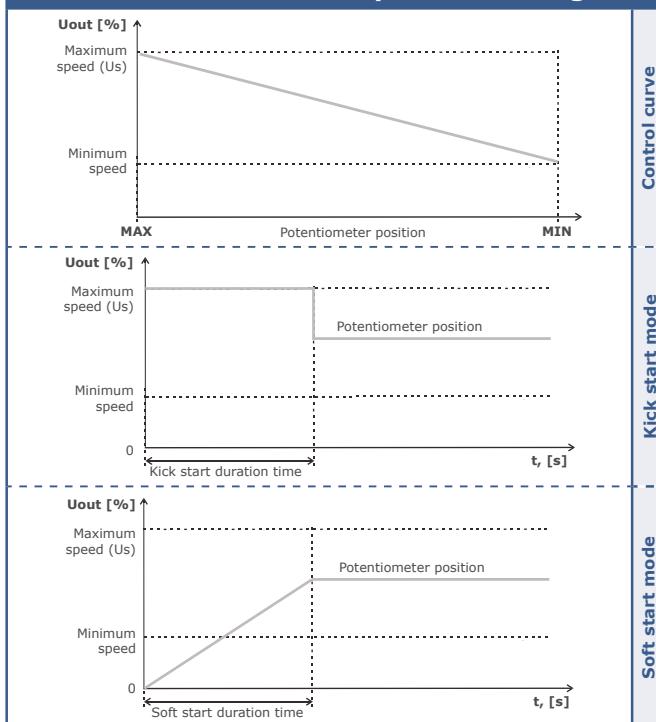
- Wide power supply range (110–240 VAC / 50–60 Hz)
- Automatic supply voltage detection
- Adjustable stepless output voltage
- Minimum speed adjustable by internal trimmer
- Kick start or soft start
- Illuminated on/off switch

### Technical specifications

Power supply, Us	110–240 VAC / 50–60 Hz	
Regulated output	Umin–Us	
Maximum load	depends on the version	
Unregulated output	Imax. 2 A	
Minimum output voltage, MIN	30–60 % Us	
Maximum output voltage, MAX	100 % Us	
Kick start duration	8–10 s	
Protection standard	IP54 (according to EN 60529)	
Ambient conditions	Temperature: -20–35 °C Rel. humidity: 5–95 % rH (non-condensing)	



### Operational diagrams



### Article codes

	Rated max. current, [A]	Fuse (5*20 mm), [A]
<b>ITR-9-15-DT</b>	1,5	F 3,15 A H 250 VAC
<b>ITR-9-30-DT</b>	3,0	F 5,0 A H 250 VAC
<b>ITR-9-50-DT</b>	5,0	F 8,0 A H 250 VAC
<b>ITR-9-60-DT</b>	6,0	(6,3*32) F 10,0 A H 250 VAC
<b>ITR-9100-DT</b>	10,0	(6,3*32) F 16,0 A H 250 VAC

### Area of use

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

### Standards

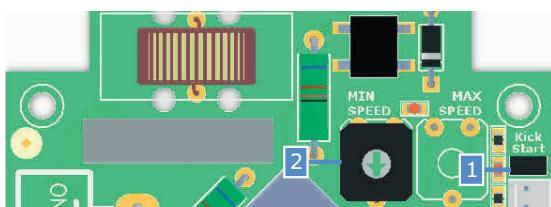


- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC: EN 61000-6-2: 2005/AC:2005, EN 61000-6-3:2007/A1:2011/AC:2012, EN 61326-2-3:2013
- WEEE 2012/19/EC
- RoHS Directive 2011/65/EC

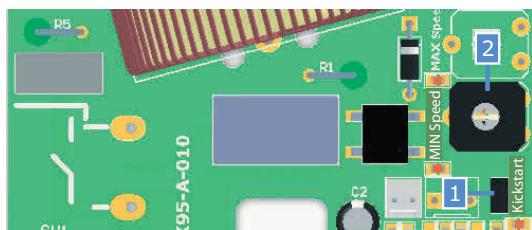


### Settings

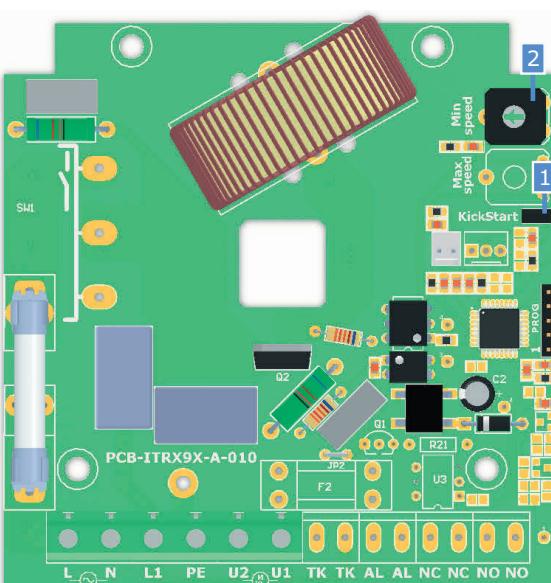
**ITR-0-15-DT, ITR-0-30-DT**



**ITR-0-50-DT**



**ITR-0-60-DT, ITR-0100-DT**



1 - Kick start selection jumper



Kick start is enabled



Soft start is enabled

2 - Minimum speed trimmer



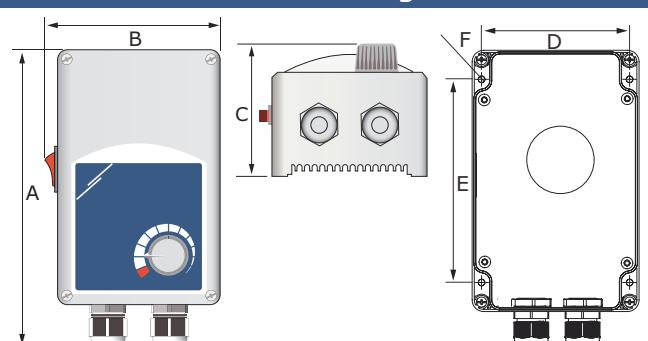
Adjusts the min. speed  
(factory preset - 45 % Us)

\* indicates closed position of the jumper.

### Wiring and connections

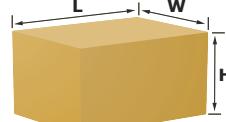
L	Power supply, 110–240 VAC / 50–60 Hz	
N	Neutral	
L1	Unregulated output, Imax. 2 A	
PE	Earth terminal	
U2	Regulated output to motor - line	
U1	Regulated output to motor - neutral	
Connections	Cable cross section	max. 2,5 mm <sup>2</sup>
	Cable gland clamping range	5–10 mm

### Fixing and dimensions



Article code	A	B	C	D	E	F
<b>ITR-9-15-DT</b> <b>ITR-9-30-DT</b>	162 mm	96 mm	75 mm	71 mm	108,8 mm	Ø 4,2
<b>ITR-9-50-DT</b>	162 mm	96 mm	93 mm	71 mm	108,8 mm	Ø 4,2
<b>ITR-9-60-DT</b> <b>ITR-9100-DT</b>	205 mm	124 mm	97 mm	102 mm	140 mm	Ø 4,6

### Packaging



Article code	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
<b>ITR-9-15-DT</b>	Unit (1 pc.)	175	96	95	0,36 kg	0,42 kg
	Box (50 pcs.)	590	380	500	17,86 kg	22,10 kg
<b>ITR-9-30-DT</b>	Unit (1 pc.)	175	96	95	0,42 kg	0,46 kg
	Box (50 pcs.)	590	380	500	20,76 kg	24,10 kg
<b>ITR-9-50-DT</b>	Unit (1 pc.)	175	96	95	0,56 kg	0,62 kg
	Box (50 pcs.)	590	380	500	28,07 kg	32,10 kg
<b>ITR-9-60-DT</b>	Unit (1 pc.)	210	130	110	0,83 kg	0,92 kg
	Box (15 pcs.)	540	405	245	12,42 kg	14,64 kg
<b>ITR-9100-DT</b>	Unit (1 pc.)	210	130	110	0,95 kg	1,04 kg
	Box (15 pcs.)	540	405	245	14,25 kg	16,44 kg