



# STTA4

## 3-phase 400 VAC transformer controller with thermomagnetic breaker

The STTA4 series of transformer fan speed controllers regulate the rotational speed of three-phase voltage controllable motors by varying the output voltage. They are equipped with auto-transformers and control the speed manually in five steps. They feature a thermomagnetic breaker for protection of motors, contacts for remote start / stop as well as a 230 VAC alarm output.

### Key features

- Wide power range: 1,5 A–14 A
- 5-step rotary switch for manual control plus off-position
- Motor protection by connecting the thermal (overheating) contacts of the motor
- Auto restart after power failure
- 230 VAC alarm output
- LED status indication
- 2 start / stop contacts for remote ON / OFF switching

### Technical specifications

Supply voltage	3x 400 VAC / 50–60 Hz	
Max. motor current (Imax)	1,5–14 A, depending on the product version	
Unregulated output	230 VAC / 1A	
Enclosure	Sheet steel (RAL 7035, polyester powder coating)	
Protection standard	IP54 (according to EN 60529)	
Ambient conditions	Temperature	-20–35 °C
	Rel. humidity	5–95 % rH (non-condensing)

### Article codes

Article code	Rated max. current, [A]	Thermal setting range [A]
STTA4-15L40	1,5	1,6–2,5
STTA4-25L40	2,5	2,5–4
STTA4-40L40	4	4–6,3
STTA4-60L40	6	6,3–10
STTA4-80L40	8	6,3–10
STTA4110L40	11	10–16
STTA4140L50	14	10–16

\*The last 3 characters represent the voltage series. See the table below.

### Voltage

Knob position	0	-	1	2	3	4	5
	<b>Regulated output [VAC]</b>						
<b>L40 version</b>	0	-	130	180	230	300	400
<b>L50 version**</b>	0	130*	170	220	260	300	400
<b>Unregulated output [VAC]</b>							
<b>L1</b>	0	230*	230	230	230	230	230

\* Available but not connected.

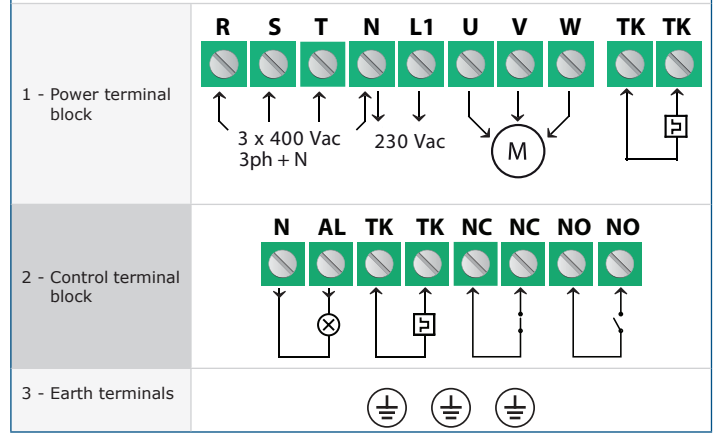
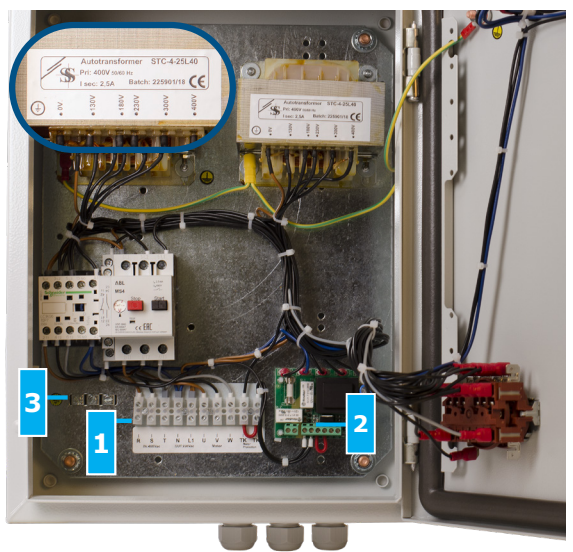
\*\* If more than 5 output voltages are available, it is possible to adjust the 5 steps by changing the internal wiring.

### Area of use

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



### Legend



# STTA4

3-phase 400 VAC transformer controller with thermomagnetic breaker

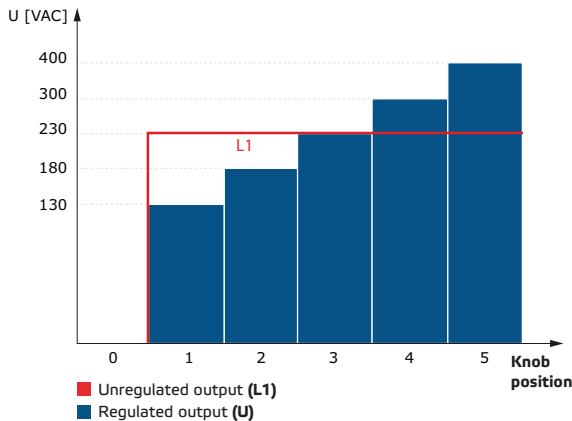


## Wiring and connections

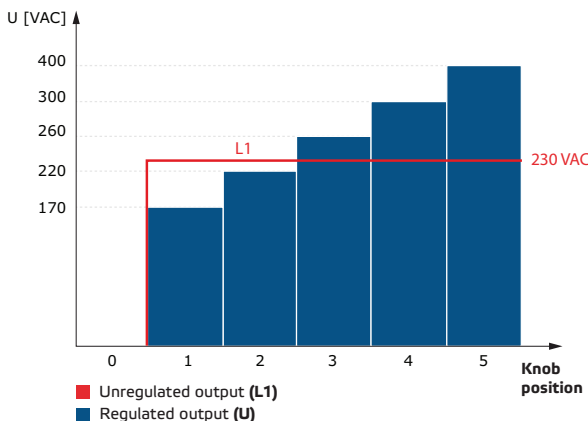
Pe	Earth terminals	
R	Power supply 3x 400 VAC / 50–60 Hz	
S		
T		
N		Neutral
L1		Unregulated output, phase (230 VAC / 50–60 Hz / 2 A)
U	Regulated output to motor	
V		
W		
N	Alarm output (230 VAC / 1 A)	
AL		
TK	TK contact for protection of thermally protected motors	
TK		
NC	Input - normally closed contact for remote ON / OFF switching	
NC		
NO	Input - normally open contact for remote ON / OFF switching	
NO		

## Operational diagrams

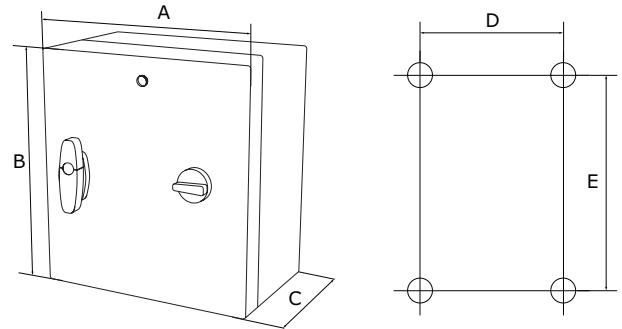
### L40 series



### L50 series



## Fixing and dimensions



Article code	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
STTA4-15L40	300	325	185	255	255
STTA4-25L40	300	325	185	255	255
STTA4-40L40	300	425	185	255	355
STTA4-60L40	300	425	235	255	355
STTA4-80L40	300	425	235	255	355
STTA4110L40	400	430	235	355	355
STTA4140L50	400	430	235	355	355

## Standards

- Low Voltage Directive 2006/95/EC
- EN 61558-1:2005/A1:2009 - Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests
- EN 61558-2-13:2009 - Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1,100 V - Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU

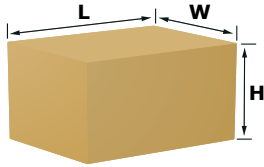


# STTA4

3-phase 400 VAC transformer controller with thermomagnetic breaker



## Packaging



Article code	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight [kg]	Gross weight [kg]
STTA4-15L40	Unit (1 pc.)	430	300	190	13,14	13,68
STTA4-25L40	Unit (1 pc.)	430	300	190	14,42	14,96
STTA4-40L40	Unit (1 pc.)	430	300	190	18,66	19,20
STTA4-60L40	Unit (1 pc.)	430	300	240	22,02	22,57
STTA4-80L40	Unit (1 pc.)	430	300	240	27,36	27,91
STTA4110L40	Unit (1 pc.)	440	400	255	37,93	38,73
STTA4140L50	Unit (1 pc.)	450	410	250	42,30	42,73

## Global trade item numbers (GTIN)

Article	Unit
STTA4-15L40	05401003016206
STTA4-25L40	05401003016213
STTA4-40L40	05401003016220
STTA4-60L40	05401003016237
STTA4-80L40	05401003016244
STTA4110L40	05401003016251
STTA4140L50	-