

# STR-4

## Standard 3-phase 400 VAC transformer controller

The STR-4 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. The used technology provides a regulated output voltage with a perfect sinusoidal shape.

### Key features

- Wide power range: 1,5 A–14,0 A
- 5-step rotary switch for manual control plus off-position
- LED status indication

### Technical specifications

Supply voltage	3x 400 VAC / 50–60 Hz	
Max. motor current (I <sub>max</sub> )	1,5–14 A, depending on the product version	
Unregulated output	230 VAC, 2 A	
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]
STR-4-15L40	1,5
STR-4-25L40	2,5
STR-4-40L40	4,0
STR-4-60L40	6,0
STR-4-80L40	8,0
STR-4110L40	11,0
STR-4140L50	14,0

### Voltage series

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

### Wiring and connections

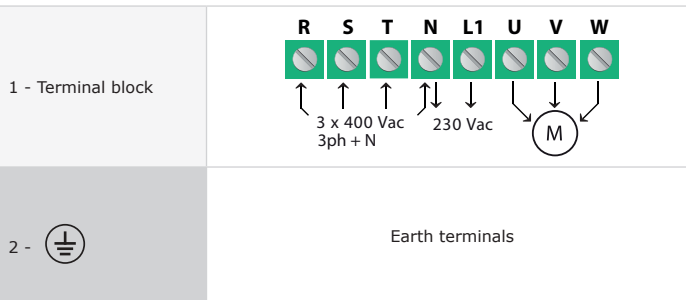
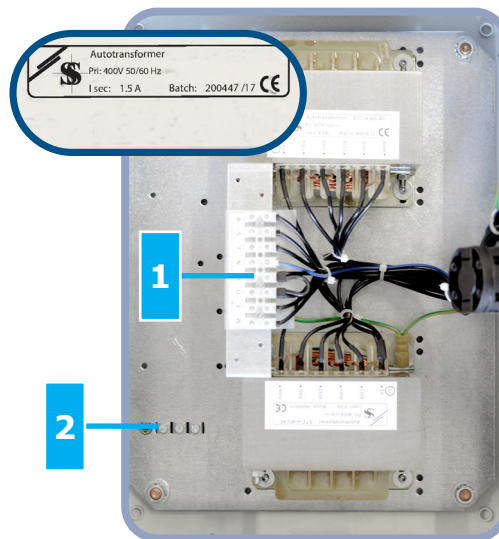
Pe	Earth terminals
R	Power supply 3*400 VAC / 50–60 Hz
S	
T	
N	Neutral
L1	Unregulated output, phase (230 VAC / 50–60 Hz / 2 A)
U	Regulated output to motor
V	
W	



### Area of use

- Speed control of voltage controllable 400 V three-phase motors (pumps and fans)
- For indoor use only

### Legend



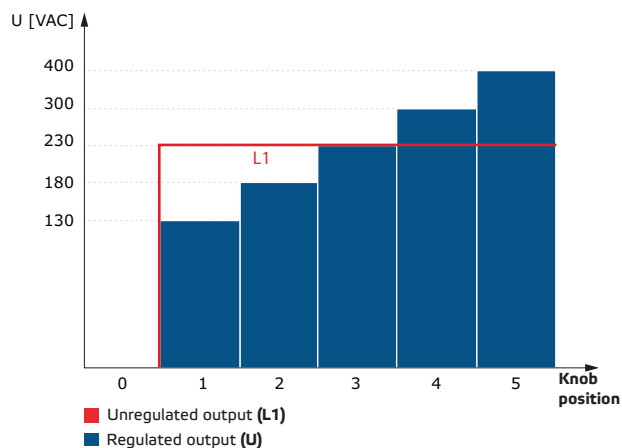
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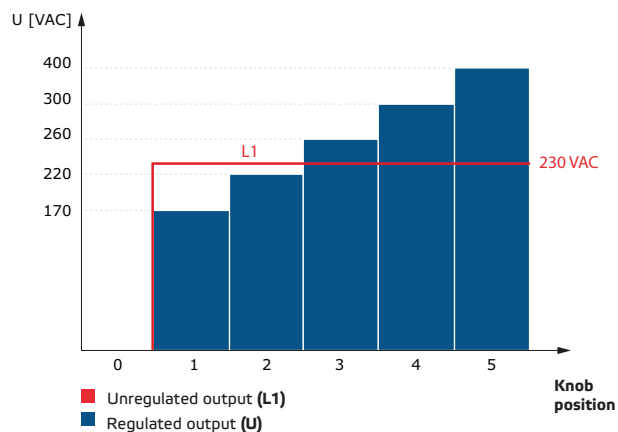


### Operational diagrams

#### L40 series



#### L50 series

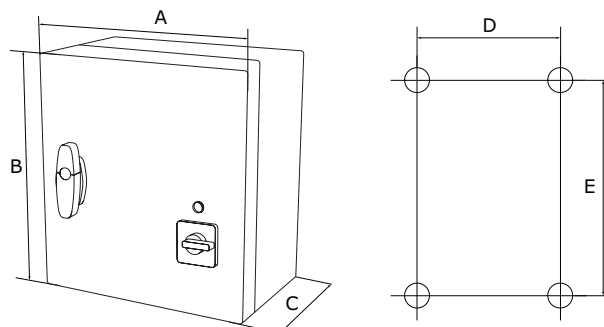


### Standards

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

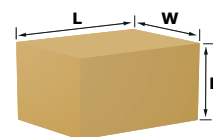


### Fixing and dimensions



Article code	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
STR-4-15L40	300	325	185	255	255
STR-4-25L40	300	325	185	255	255
STR-4-40L40	300	425	185	255	355
STR-4-60L40	300	425	235	255	355
STR-4-80L40	300	425	235	255	355
STR-4110L40	400	430	235	355	355
STR-4140L50	400	430	235	355	355

### Packaging



Article code	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight [kg]	Gross weight [kg]
STR-4-15L40	Unit (1 pc.)	340	310	200	11,6	12,10
STR-4-25L40	Unit (1 pc.)	340	310	200	13,0	13,50
STR-4-40L40	Unit (1 pc.)	440	310	200	18,2	18,55
STR-4-60L40	Unit (1 pc.)	440	310	250	22,3	22,86
STR-4-80L40	Unit (1 pc.)	440	310	250	27,2	27,76
STR-4110L40	Unit (1 pc.)	450	410	250	38,0	38,80
STR-4140L50	Unit (1 pc.)	450	410	250	43,0	43,80