

# SRI .../ 16 S

Voltage controller / Phase angle



### Characteristics

- Effective constant current transmitter
- Effective value display
- Easy installation

These devices serve as voltage regulation. By use of the voltage regulator the effective current for heating is adjusted. The adjustment is controlled at the ammeter and if necessary monitored on min. current by use of the TRB-Pie or rather TRB-PI.

- Constant output voltage by means of control on adjusted setpoint value
- On/Off control via optocoupler (VDE 700 - 730)
- Effective value display
- as effective constant current transmitter

### TECHNICAL DESCRIPTION

#### Display

Depending on the requirements the display unit can, for the purpose of optimal legibility of the operating current, be supplied with measuring range end value 15 A. Current transformer output always 0 - 1 A.

#### Switching input (heating off)

The switching input via optocoupler is as standard construed for a voltage of 8 to 24 V~, alternatively for current input 1,5 to 20 mA.

### Fuses

The voltage regulator SRI contains two fuses with 80 mA for the internal supply voltage.

### Current transformer output

The current transformer output is construed as transmitter for the current input of the temperature controller TRB-P.

### y-command signal input

Devices, which are equipped with the buffer amplifier, serve as correcting element for analog controllers. The output voltage must be limited to the desired max. value via the potentiometer with voltage scale (serves as overload protection or for the limitation of the overshoot during the adjustment).

### TYPE CODE

SRI 

1

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16

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2

<b>1</b>	220	Nominal voltage 230 V (20 - 220 V)
	380	Nominal voltage 400 V (35 - 380 V)

<b>2</b>	15	Nennstrom 15 A (Standard)
	6	Nennstrom 6 A

### Example:

Nominal voltage 230 V,,

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220
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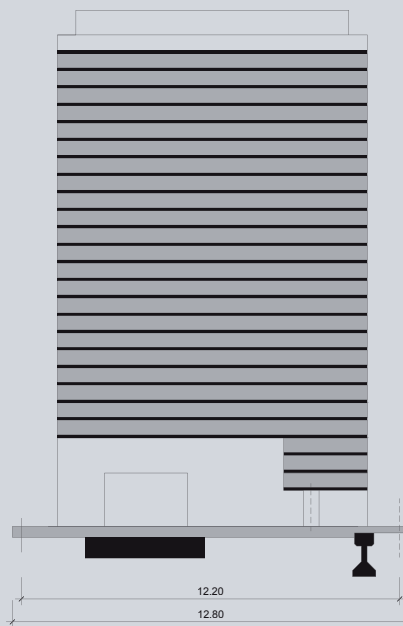
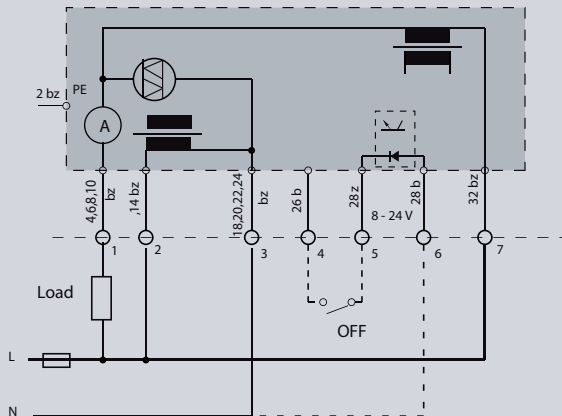
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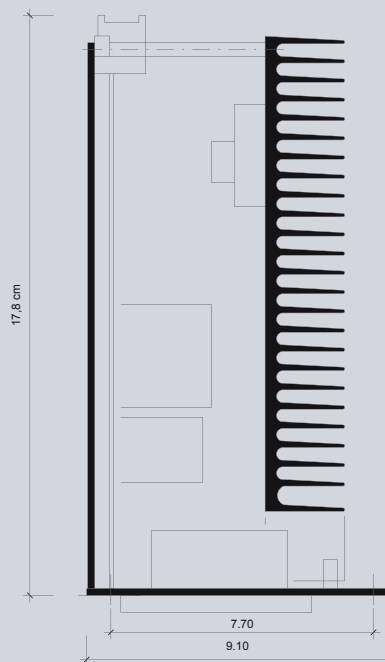
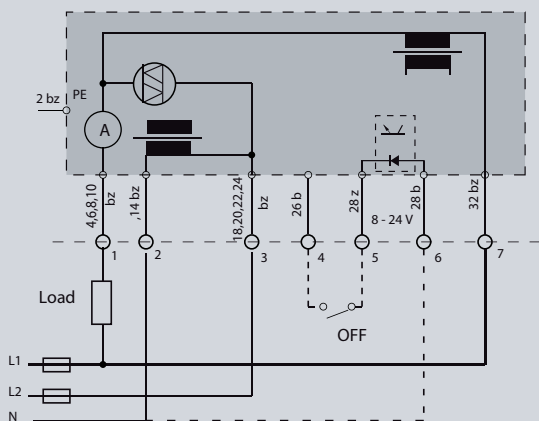
### TECHNICAL DATA

Controller	
Nominal voltage	230 V (400 V~)
Nominal current max.	15 A
Control range voltage	20 - 220 V ~ (40 - 380 V~)
Max. current load of the heat conductor	0,2 s; 200 mA - 500 A
Built-in fuses	2 x 80 mA
Input optocoupler	8 - 24 V; R <sub>i</sub> 5 kΩ; separation accoring to VDE 0700
Auxiliary voltage	-21 V~, R <sub>i</sub> = 5 kΩ
Dimensions	18 TE, 3HE
Euro board	100 x 160 mm
Multiple connector	32-pole (DIN 41612 pattern F)
Cassette (h x b x t in mm)	129,5 x 91,5 x 177
Temperature range	0 - 55 °C (cassette)

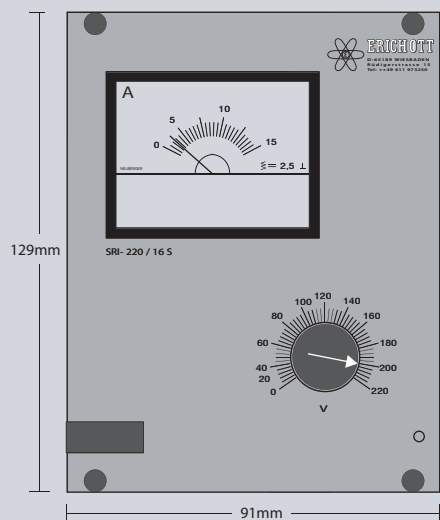
### Connection diagram SRI 220/16S



### Connection diagram SRI 380/16S



### Dimensions



Please take further data from the operating manual.  
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