

# UNIVERSAL VOLTAGE TRANSMITTER

## STU – I5



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## USER'S MANUAL

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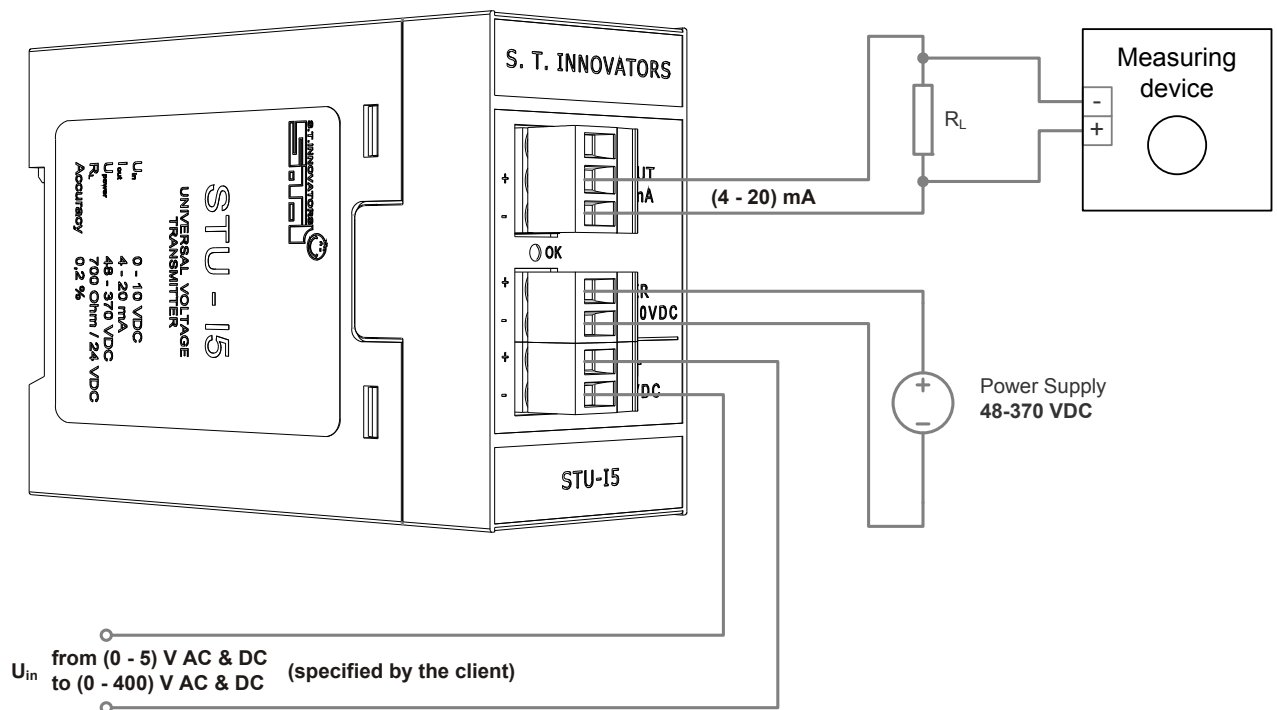
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## 1. INTRODUCTION

The universal voltage transmitter STU – 15 is designed to convert specified by client an AC or DC signals from  $0 \div 5$  A to  $0 \div 400$  VDC or VAC into an analog current signal  $4 \div 20$  mA.

## 2. CONNECTION DIAGRAM



### 3. TECHNICAL DATA

3.1. Connection type:	
- input	2-wire;
- output	3-wire at 24VDC power supply
or	
- output	2-wire
- power supply	2-wire 48-370 VDC (85-260 VAC)
3.2. Input range:	
- voltage:	from 0 ÷ 5 to 0 ÷ 400 V AC or DC (specified by client)
3.3. Output current signal:	4 ÷ 20 mA;
3.4. Maximum consumed power:	5 W;
3.5. Input impedance:	1 kΩ/V;
3.6. Galvanic isolation:	
- input – output	3 kV rms;
- power supply (48-370 VDC) – output	3 kV rms;
- power supply (48-370 VDC) – input	3 kV rms;
3.7. Maximum relative error:	
- DC input	0,2 % ± 1LSB;
- AC input	0,5 % ± 1LSB;
3.8. Overload capacity:	
- voltage	+20% of $U_{max}$ – continuous;
3.9. Ambient temperature (operation):	from -10 °C to +45 °C;
3.10. $R_L$ :	800 Ω at 24 VDC;
3.11. Power supply range:	12-36 VDC or 48-370 VDC (85-260 VAC);
3.12. Dimensions (W x H x D):	
- power supply 24VDC	22,5 x 75 x 105 mm;
- power supply 48-370 VDC (85-260 VAC)	45 x 75 x 105 mm
3.13. Mounting:	DIN-релса 35/7,5 mm.

**Contacts:**

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BULGARIA

1505, Sofia

1, Tzarichina str.

Phone: +359 2 870 21 56, +359 888 45 99 53

Fax: +359 2 973 37 27

e-mail: [office@stinnovators.com](mailto:office@stinnovators.com)

[www.stinnovators.com](http://www.stinnovators.com)

