



# TX - 100

## TRIP AMPLIFIER

### Features

- Single Input, Dual Output
- Signal Conversion with Isolation
- Universal Input
- Reliable & Cost Effective System
- 24 V DC Operated
- Compact Size & Easy Maintenance
- Din Rail Mount
- Potential free relay outputs 2 Nos.



### Description

**E**lectronet series TX-100 are Trip Amplifiers with single input, dual trip output specially used for various industrial applications. It can interface inputs like Current or Voltage & provide isolated output in terms of Current or Voltage. The compact design saves inner space required in panel to mount the instrument.

### Technical Specifications

No. of Input	01 No.
No. of Output	02 Nos.
Type of Input	Universal
	1) RTD (PT-100 / PT-200 / CU-53) 2 or 3 Wire
	2) Thermocouple (J / K / R / S / T / E / B Type Thermocouple)
	3) Current (0-20 mA / 4-20 mA)
	4) Voltage (0-5 V DC / 0-10 V DC/1-5V DC)
Type of Output	4-20 mA / 0-5 V, Isolated
Trip Output	Potential free Relay Contacts (1 c/o, 1 Amp.)
Display	4 X 1 Digit, 0.3", 7 Segment Red LED
Isolation	1.4 KV between Input, Output & Power Supply
Power Supply	24 V DC, External
Accuracy	Better than $\pm 0.25\%$ of F. S.
Power Consumption	< 15 VA
Response Time	< 500 mSec
Temperature Coefficient	$\pm 0.01\%$ per $^{\circ}\text{C}$
Enclosure	ABS, Plastic
Dimensions	75mm(H) X 55mm(W) X 110mm(D)
Mounting	Din Rail Type
Weight	500 gms
Operating Conditions	Temperature -20 to 55 $^{\circ}\text{C}$ / Humidity 5 to 95% non condensing
Temperature Drift	0.01% of F. S. / $^{\circ}\text{C}$
Range	programmable for mA and voltage(-999 to 9999) & Fixed for RTD & thermocouple input.
<b>OPTIONAL</b>	
Retransmission Output	4-20 mA / 0-5 V, Isolated
Communication Port	RS 485 supporting MODBUS RTU Protocol

## Ordering Information

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Parameter	Code	Value	Parameter	Code	Value		
43	Input	43F	4 to 20mA	51	Output 2	51C	4 to 20mA
		43G	0 to 5V / 1 to 5V			51D	0 to 5V
		43J	RTD			51Y	None
		43K	Thermocouple	52	Alarm Output	52A	1 Alarm
		43M	Current			52B	2 Alarm
		43N	Voltage			52Y	None
		43O	Universal			53	Communication Output 1
		43X	Other	53Y	None		
50	Output 1	50A	4 to 20mA	60	Input Power Supply	60A	90 to 250V AC
		50C	0 to 5V			60B	24V DC

**Note :**

- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.

## Applications

Food Industry	Chemical Industry	Atomic Energy	Manufacturing Industry
Automation Industry	Thermal Power Energy	Process Industry	Water Treatment Industry

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