



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

Electronet 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.
OPTIONAL	
Retransmission Output	4-20 mA / 0-5 V, Isolated
Communication Port	RS 485 supporting MODBUS RTU Protocol

Ordering Information

43 50 51 52 53 60

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	53A	RS 485
		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

ELECTRONET EQUIPMENTS PVT. LTD.

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