

TEMPERATURE

1000 OHM RTD SELECTABLE RANGE TRANSMITTER

T5U, T63U, T85U SERIES



DESCRIPTION

The **Models T5U, T63U, and T85U Rangeable Transmitters** are field rangeable, two-wire, 4-20 mA RTD transmitters designed for use with Type 5 nickel-iron sensors, Type TE63xx nickel sensors, and Type 85 platinum sensors.

To adjust the temperature transmitter, set the DIP switches to match the desired range, and use the zero and span pots to fine tune. A high accuracy digital ohm-meter and decade box are required.

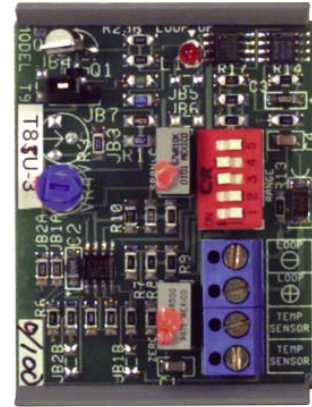
FEATURES

- *Dip switch rangeable*
- *Loop calibration test signal*
- *Low cost*
- *Snap-track mounting*
- *Loop-powered LED indication*
- *18-month warranty*

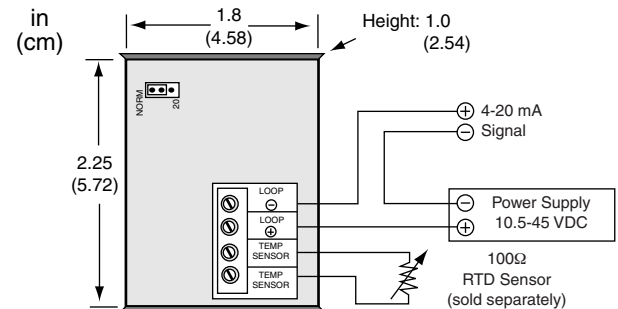
APPLICATION

- *Transmitter for Invensys 1000 Ω nickel-iron RTDs*
- *Transmitter for Johnson Controls 1000 Ω nickel RTDs*
- *Transmitter for 1000 Ω platinum 385 RTDs*

T85U



DIMENSIONS



SPECIFICATIONS

Sensor element	1000 Ω RTD	Impedance	675 Ω @ 24 VDC
Accuracy	0.2°F or 0.4% of span	Ambient temp	0° to 140°F (-18° to 60°C)
Rangeability limits	-30° to 250°F (-34° to 121°C) Minimum span 40°F (22°C)	Agency approval	CE (T85U)
Output	4-20 mA, loop-powered	Dimensions	1.8"W x 2.25"L x 1"H (4.6 x 5.7 x 2.54 cm)
RTD current	650 μ A	Weight	0.3 lb (0.135 kg)
Supply voltage	10.5-45 VDC	Warranty	18 months

ORDERING INFORMATION

MODEL	DESCRIPTION
T5U	4-20 mA 1000 Ω nickel-iron RTD transmitter
T63U	4-20 mA 1000 Ω nickel RTD transmitter
T85U	4-20 mA 1000 Ω 385 platinum RTD transmitter
RANGE	
2	-20° to 140°F (-29° to 60°C)
3	0° to 100°F (-18° to 38°C)
4	30° to 240°F (-1° to 116°C)
XR†	Special range (see specifications for rangeability limits)

T63U

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Example: T63U-2 transmitter for 1000 Ω nickel RTD with range of -20° to 140°F

† Indicate at time of order