



DIN Rail Universal Smart Transmitter

TXDIN101
£147



- ✓ High Accuracy
- ✓ Integral LED display
- ✓ Universal Input: T/C, RTD, Ω and mV
- ✓ Galvanic Isolation
- ✓ Configuration via PC Software

The TXDIN101 is a computerized, PC programmable, galvanically isolated two-wire smart transmitter. The unit converts 13 types of thermocouple sensors; 12 types of RTD sensors, configured as 2-, 3- and 4-wires; potentiometer, resistor and millivolt inputs, single or differential—into process current loop. Integral 3% digits LED display forms a transmitter—monitor unit which is visible in dark installations. 24-bit A/D converter and two microprocessors are the heart of the outstanding performance. The light intensity varies as a function of the current loop, which serves as the light energy source. The transmitter can be set and wired to perform differential measurement conversions of temperature sensors as well as mV sources. The output current is temperature linearized and can be set to be 4 to 20/20 to 4mA—or any range within these limits. The current is limited to 3.9 and 22 mA. The TXDIN101 samples and updates the output current in a rate of 2 to 4 samples per second depends on the sensor type. The transmitter is fully configurable in dry-configuration mode by which the connection to PC is performed with no external power source. The configuration parameters are stored in a non-volatile memory. Exceptional digital accuracy of typically $\pm 0.1^\circ\text{C}$ is provided for most sensors regardless of the calibrated span.



TXDIN101, £147, shown larger than actual size.

Internal Pt-100 temperature sensor provides precise cold junction compensation throughout the entire ambient range. Detection of sensor breakage or disconnection of input leads, forces the output to a pre-defined up/down scale value. The unit continuously monitors the sensor and automatically returns to normal operation mode when the sensor is recovered. The TXDIN101 is housed in a plastic enclosure mounted on a standard DIN rail. Special red filter is provided for optimal view.

Specifications

For input, thermocouple, millivolts, resistance temperature detector (RTD), output, supply and environmental influence please use the tables of model TX69 (page N-38)

Housing

Material: Plastic polycarbonate

Screw Connection: 6 terminals

Mounting: Standard DIN rail

Operating Position: Any

Protection Level: IP20; UL-94-V0 flame retardant

Weight: 85 g (0.18 lb)

Programming

Software Package: CONCAL for COM and USB ports

Modem Cord CONUSB:

Length: 1.5m with USB connector for USB connection

Configured Parameters:

Tag information, sensor type, Input range, selection of connection type, output offset, output curve correction, damping factor, burnout type, output current mode, sensor calibration

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
TXDIN101	£147	Din rail smart transmitter
TX69-Cable	19.50	Communication cable
PSR-24-L	40	Regulated power supply, 24 Vdc, 400 mA, stripped leads, UL

Comes with a complete operator's manual.

Ordering Example: TXDIN101, din rail smart transmitter, £147.

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• Flow and Level

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