

TM - 2DLI

2-WIRE UNIVERSAL TRANSMITTER (DIN-mount, loop powered, isolated)

This versatile, compact transmitter accepts a range of inputs without the use of jumpers, making it ideal for a variety of applications.

Input range

RTD	PT100, PT1000,
Thermocouple	B, E, J, K, L, N, R, S T or custom type
Current	0-20mA, 4-20mA
Voltage	+100mV, -100mV, +1V, -1V, +10V, -10V
Potentiometer	1-10k Ω

Operating temp. -20-+80°C

Supply voltage 36V max

Isolation voltage 2.3kV AC (test)
250V AC (operation)

-----OUTPUT-----

Current output 4-20mA or 20-4mA

Temp. coefficient $\leq \pm 0.01\%$ of span/°C

Resistance Output load
resistance 50 Ω /V
above 10V

Response time 0-90%, 100-10%
<1sec

Resolution 0.5 μ A

Accuracy $\leq \pm 0.1\%$ of span

Max load 1200 Ω (at 20mA
with 36V input)

- **USB port**

For use with TM - CD communications kit

- **Current loop LED**

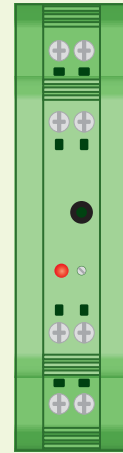
Slow flashing: under/over range
Fast flashing: fault

- **Potentiometer**

For fine offset adjustment of the current output

- **35mm DIN rail case**

79 x 20 x 68mm
(H x W x D)



Load stability $\leq 0.01\%$ of span/100 Ω

Error detection LED indication for sensor errors (3.8mA, 21.5mA)

Linearization 32-point flexible linearization may be applied to current/voltage inputs

CODE	DESCRIPTION
TM - 2DLI	2-wire universal transmitter (DIN-mount, isolated) Powered by 4-20mA current loop input signal
TM - CD	Reusable communications kit (includes USB interface cable and software)