

Current Loop Isolation Barrier

4-20/4-20mA 2-Wire/2-Wire

MESTEC 2-2-2



FEATURES:

- **Converts non-isolated transmitters into isolated ones.**
- **No field wiring changes necessary.**
- **Keeps 2-wire system integrity.**
- **Prevents ground loop problems.**
- **Provides isolated DC supply to non-isolated transmitters.**
- **Provides 1.5 KV input/output isolation.**

MESTEC 2-2-2 is a unique isolation barrier. When properly applied, it converts the (4-20mA) non-isolated transmitter (NIT) current loop into a fully isolated one with no field wiring change and without altering the current loop output characteristics.

The 2-2-2 provides 1.5KV of primary-loop to output-loop isolation and eliminates ground loops which could be caused by non-isolated sensors and transmitters as well as by multiple instrument wirings.



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Current Loop Isolation Barrier

4-20/4-20mA 2-Wire/2-Wire

MESTEC 2-2-2

SPECIFICATIONS:

Supply Voltage	16-45 VDC reverse polarity protected.
Input Current	4-20mA (from NIT).
Output Current	4-20mA (isolated output).
Supply Voltage to NIT ...	8 VDC min. 12 VDC max.
I/O Isolation	1500 VDC or peak AC.
Linearity	Better than $\pm 0.01\%$ of span.
Stability	Better than $\pm 0.01\%/^{\circ}\text{F}$.
Adjustments	"Zero" and "Span" puts.
Operating Temperature	0-160°F (-20 to 70°C).
Humidity	0-95% RH, non-condensing.
Dimensions	W: 0.9(22.5) H: 3.15(80) D: 2.95(75) (mm).
Mounting	DIN rail, 35 mm.

All specifications are subject to change without notice.

ORDERING INFORMATION

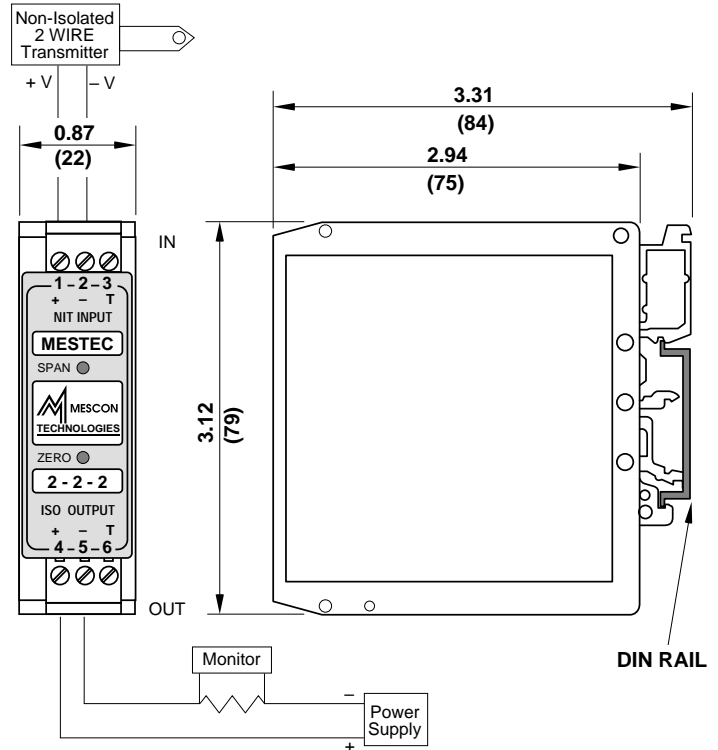
MESTEC 2 - 2 - 2 / (XXV)

Model

NIT Supply Voltage

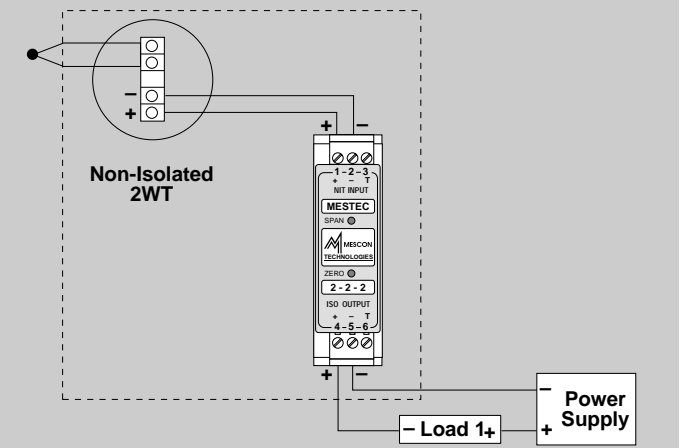
Please request our ordering and calibration diskette describing the balance of Mescon's products.

Wiring Information



Dimensions are in inches (mm)

This combination of a non-isolated 2WT and a 2-2-2 barrier, becomes in fact an isolated 2WT.



Sample loop showing the MESTEC 2-2-2

Distributed By:



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