

WavePak

Loop Splitter



The WavePak Loop Splitter module is a 4-20mA current loop isolator with one loop powered input and two independent, loop powered, isolated outputs. It is ideal for interfacing one transmitter to two devices such as a PLC and a local indicator.

Some loop splitters are actually two single channel devices with their inputs connected in series. This increases the loading on the current loop. Weidmüller's Loop Splitter has a single input circuit with a near constant voltage drop of no more than 3.5V, regardless of the output loop load. This is accomplished through the use of optical isolation as opposed to transformer coupling. Optical isolation also provides higher isolation levels - 1000V in the case of the Loop Splitter.

Features:

- loop powered
- near constant input voltage drop
- just 12.5mm wide
- mounts on 35mm DIN rail
- CSA approved, Class 1 Division 2 approved

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WavePak Current Loop Splitter

Specifications:

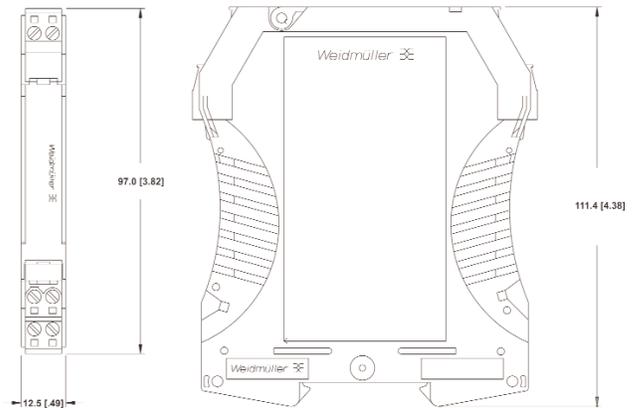
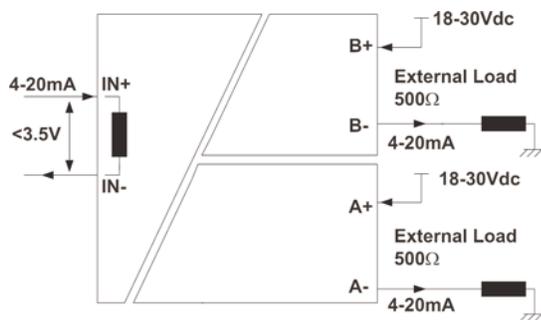
Input:	4-20mA
Input voltage drop:	<3.5V over 4-20mA range
Isolation:	Optical
	1000V between input and each output + output to output
Output:	4-20mA
Output loop supply:	19-30Vdc per loop
Output loop impedance:	up to 500Ω with a 24Vdc loop supply
Accuracy (each channel):	@25°C ±0.1% typical
	-15°C to +50 C temperature range: ±0.8% typical
Response time (each channel):	10mS typical
Operating temperature range:	-15°C to +50°C

Ordering Data

WavePak-I/2I

Catalog No.

792040 0000



Notes

The Unit should be recalibrated under the normal operating conditions (factory calibrated at 24°C into 250W). Inadequate ventilation and/or multiple loop splitters (or warm adjacent modules) can affect linearity. Optimal results can be achieved with 1cm (1/4") space either side of the loop splitter.