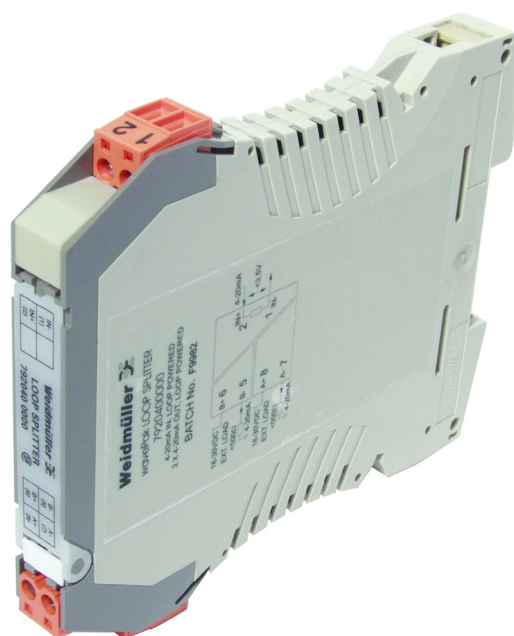


## WavePak

### 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 approval pending

#### United States

Weidmüller Inc.  
821 Southlake Blvd.  
Richmond, Virginia 23236  
Telephone: (800) 849-9343  
Facsimile: (804) 379-2593  
Email: [info@weidmuller.com](mailto:info@weidmuller.com)  
Website: [www.weidmuller.com](http://www.weidmuller.com)

#### Canada

Weidmüller Ltd.  
10 Spy Court  
Markham, Ontario L3R 5H6  
Telephone: (800) 268-4080  
Facsimile: (905) 475-2798  
Email: [info1@weidmuller.ca](mailto:info1@weidmuller.ca)  
Website: [www.weidmuller.ca](http://www.weidmuller.ca)

#### Mexico

Weidmüller, S.A. de C.V.  
5 Sur No. 4311  
Col. Huexotitla  
72534 Puebla, Pue. Mexico  
Telephone: (22) 37 2549  
Facsimile: (22) 43 1981  
Email: [weidmull@acnet.net](mailto:weidmull@acnet.net)

# WavePak Current Loop Splitter

## Specifications:

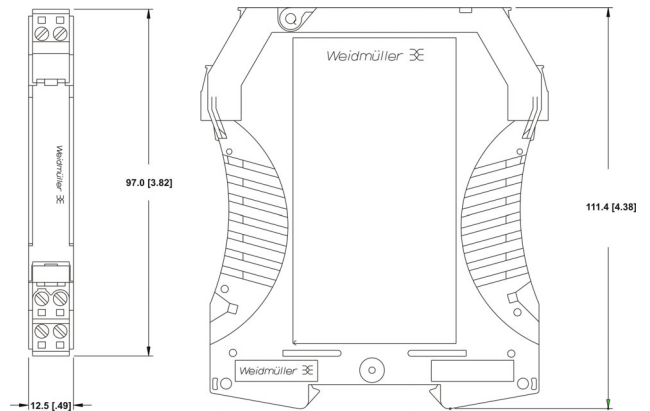
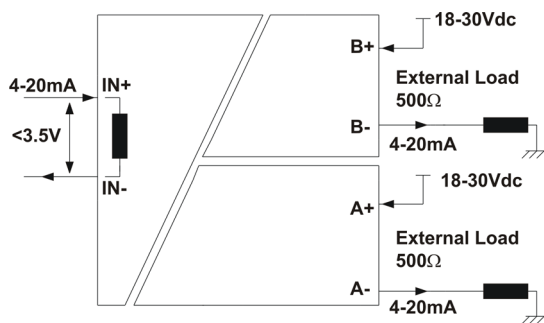
Input:	4-20mA
Input voltage drop:	<3.5V over 4-20mA range
Isolation:	Optical
	1000V between input and each output + output to output
Output:	4-20mA
Output loop supply:	19-30Vdc per loop
Output loop impedance:	up to 500Ω with a 24Vdc loop supply
Accuracy (each channel):	@25°C ±0.1% typical
	-15°C to +50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