

Analog 4-20mA Splitter Isolator



Description

The Harvest 4-20mA Splitter ensures precise and interference-free signal duplication, allowing one input signal to be distributed into two fully isolated outputs. Designed for industrial process control, automation systems, and SCADA applications, this DIN rail-mounted signal conditioner operates on 24V DC power, making it ideal for multi-point signal distribution in PLCs, remote I/O, and monitoring applications.

Specifications

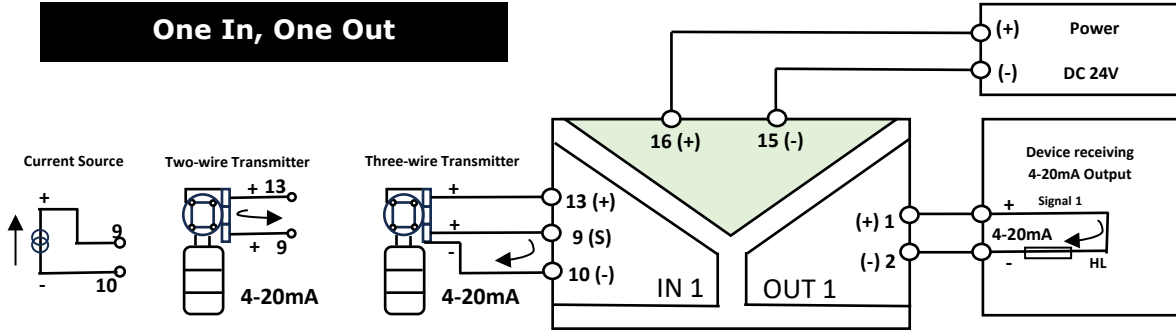
Input Terminal	
Input Signal	4-20mA; 0-20mA
Distribution Voltage	24V (Max current 30mA)
Input Impedance	≤ 50 Ohm
Output	
Output Signal	4-20mA; 0-20mA; 0-5V; 0-10V
Load Resistance (Current)	RL ≤ 500Ω
Load Resistance (Voltage)	RL ≥ 1kΩ
Basic Parameters	
Power Supply	24VDC, ±10%
Current Consumption	≤50mA, single channel configuration ≤70mA, splitter configuration (1 in, 2 out) ≤100mA, dual channel configuration (2 in, 2 out)
Basic Accuracy	0.1% F.S.
Temperature Drift	0.0025% F.S/°C (-20°C - +55°C)
Response Time	≤1ms (0-90%) (TYP)
Insulation Strength	2000VAC/1 min (between Input, Output and Power Supply)
Insulation Resistance	≥100MΩ (between Input, Output, and Power Supply)
Operating Temperature	-20 to +55 degC
Electromagnetic Compatibility	Complies with GB/T18268 (IEC61326-1)
Applicable Field Equipment	Two-wire transmitters, three-wire transmitters, current sources

Physical Dimensions

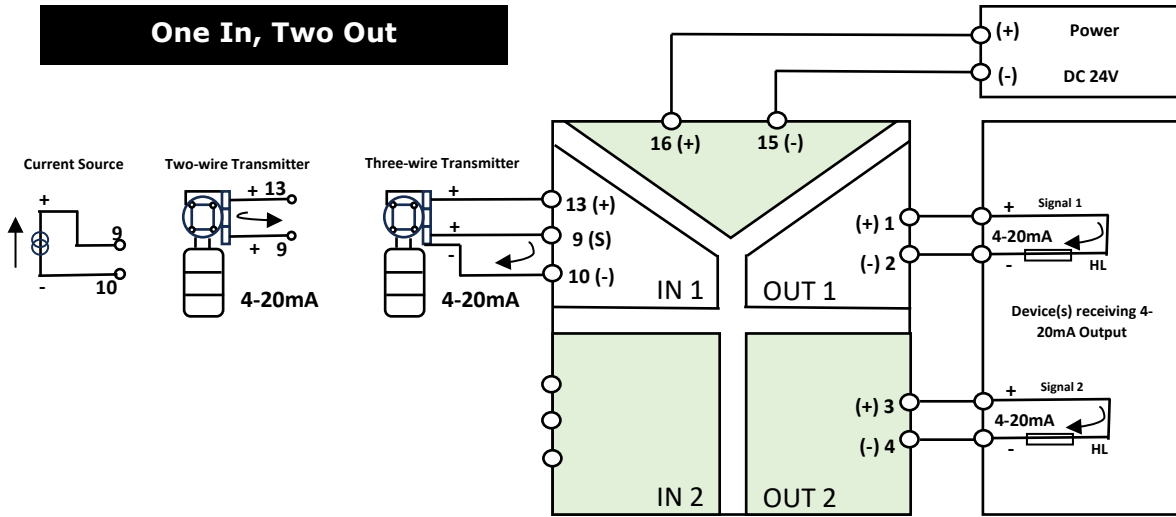
Height	100mm
Width	22.5mm
Depth	114.5mm
Mounting	Standard 35mm DIN rail

Wiring for Analog Splitter/Isolator Scenarios

One In, One Out



One In, Two Out



Two In, Two Out

