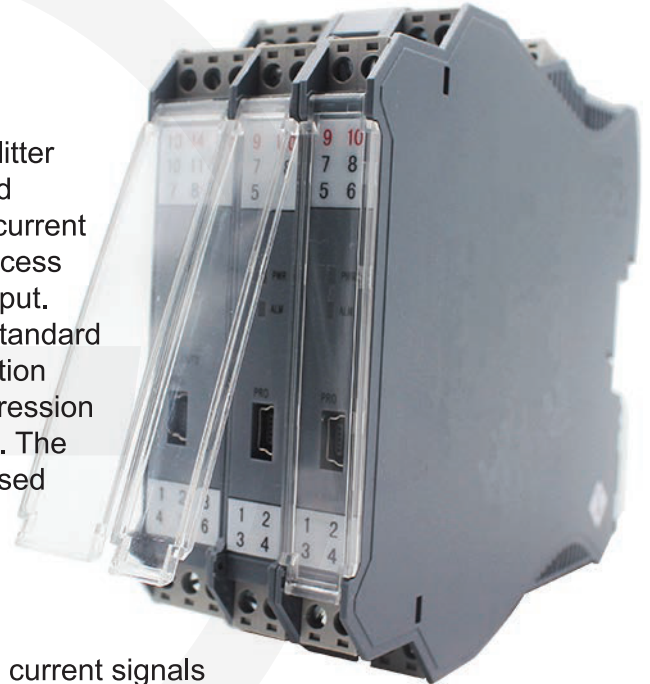


SIGNAL CONDITIONER/ SPLITTER

The 8000 series isolated DIN rail signal conditioner/ splitter provides a competitive choice in terms of both price and technology for galvanic isolation of process voltage or current signals to SCADA systems or PLC equipment. Two process outputs are provided which mirror the single process input. The 8000 series can be used for signal conversion of standard process voltage or current signals. The unit offers isolation between input, output and supply, provides surge suppression and protects control systems from transients and noise. The 8000 series also eliminates ground loops and can be used for measuring floating signals



Features

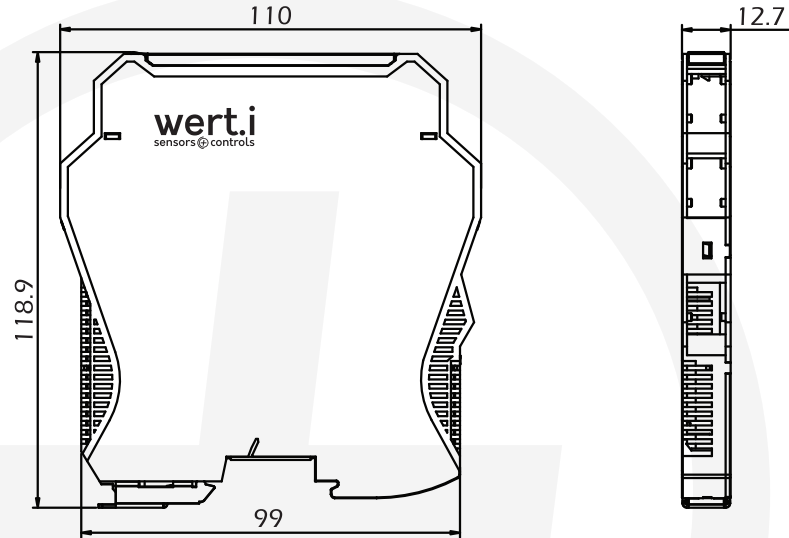
- ✓ Isolation and Conversion of standard DC voltage and current signals
- ✓ Splitter Function: 1 Process Input, 2 Process Outputs
- ✓ Isolation eliminates ground loop problems
- ✓ Excellent accuracy and fast response time
- ✓ Suitable for high vibration environments

Specifications

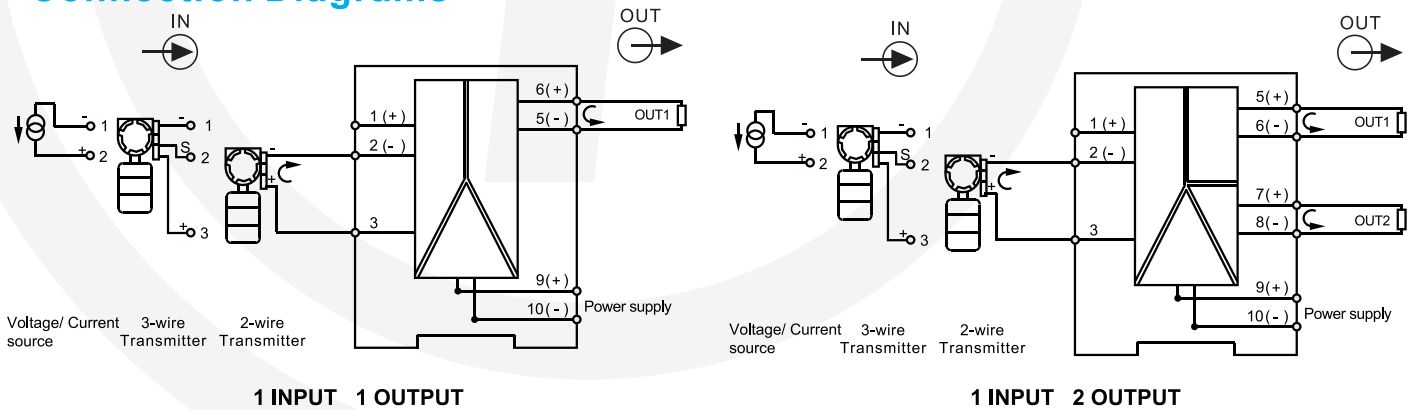
Input signal	4...20mA, 0...20mA, 0...5V, 0...10V
Input resistance	Current model: ≤ 100Ω , Voltage model: ≥ 300KΩ
Output signal	4...20mA, 0...20mA, 0...5V, 0...10V
Output load	Current model: ≤ 500Ω , Voltage model: ≥ 10KΩ
Accuracy	±0.1% of span
Response time	<10ms
Temperature coefficient	±0.01% of span / °C
Supply voltage, DC	18...32V DC
Isolation voltage	2KVAC/min
Isolation resistance	≥ 100MΩ (DC500V)
Operating temperature	-20°C...55°C
Storage temperature	-20°C...70°C
Relative humidity	< 95% RH (non-cond.)
Dimensions	118.9 x 110 x 12.7 mm
Weight	70g
IP protection	IP20

8000 SERIES

Dimensions (in mm)



Connection Diagrams



Ordering code

SERIES 8000		SIGNAL CONDITIONER/ SPLITTER	
ITEM	CODE	INPUT	OUTPUT
ISOLATED REPEATER (1 IN 1 OUT)	8018	4 – 20mA DC	4 – 20mA DC
	8019	0 – 10V DC	0 – 10V DC
ISOLATED CONVERTER (1 IN 1 OUT)	8028	4 – 20mA DC	0 – 10V DC
	8029	0 – 10V DC	4 – 20mA DC
ISOLATED REPEATER/ SPLITTER (1 IN 2 OUT)	8118	4 – 20mA DC	4 – 20mA DC
	8119	0 – 10V DC	0 – 10V DC
ISOLATED CONVERTER/ SPLITTER (1 IN 2 OUT)	8228	4 – 20mA DC	0 – 10V DC
	8229	0 – 10V DC	4 – 20mA DC