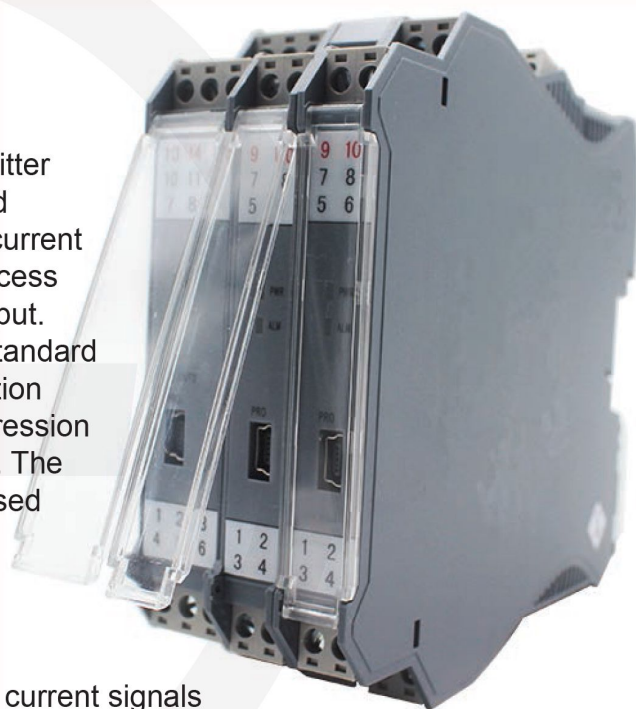


SIGNAL CONDITIONER/ SPLITTER

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

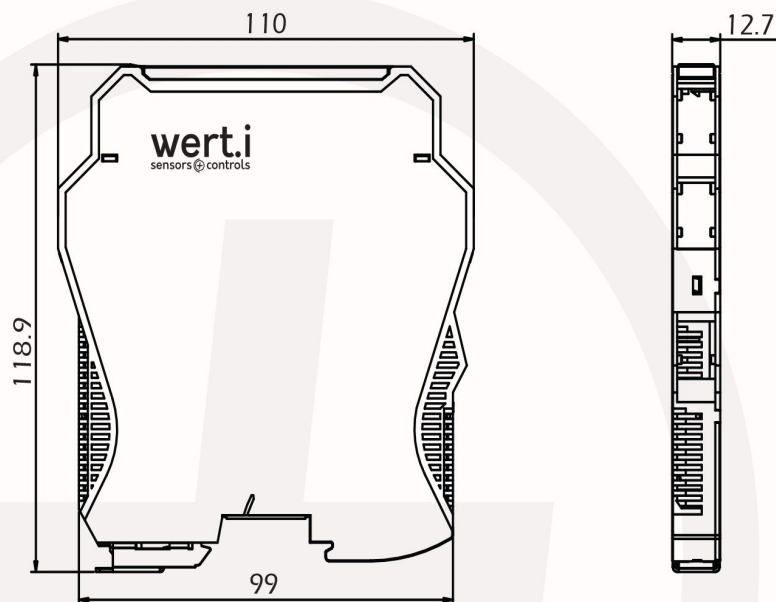
- ✓ Isolation and Conversion of standard DC voltage and current signals
- ✓ Splitter Function: 1 Process Input, 2 Process Outputs
- ✓ Isolation eliminates ground loop problems
- ✓ Excellent accuracy and fast response time
- ✓ Suitable for high vibration environments

Specifications	
Input signal	4...20mA, 0...20mA, 0...5V, 0...10V
Input resistance	Current model: $\leq 100\Omega$, Voltage model: $\geq 300K\Omega$
Output signal	4...20mA, 0...20mA, 0...5V, 0...10V
Output load	Current model: $\leq 500\Omega$, Voltage model: $\geq 10K\Omega$
Accuracy	$\pm 0.1\%$ of span
Response time	$< 10\text{ms}$
Temperature coefficient	$\pm 0.01\%$ of span / $^{\circ}\text{C}$
Supply voltage, DC	18...32V DC
Isolation voltage	2KVAC/min
Isolation resistance	$\geq 100M\Omega$ (DC500V)
Operating temperature	$-20^{\circ}\text{C} \dots 55^{\circ}\text{C}$
Storage temperature	$-20^{\circ}\text{C} \dots 70^{\circ}\text{C}$
Relative humidity	$< 95\%$ RH (non-cond.)
Dimensions	118.9 x 110 x 12.7 mm
Weight	70g
IP protection	IP20

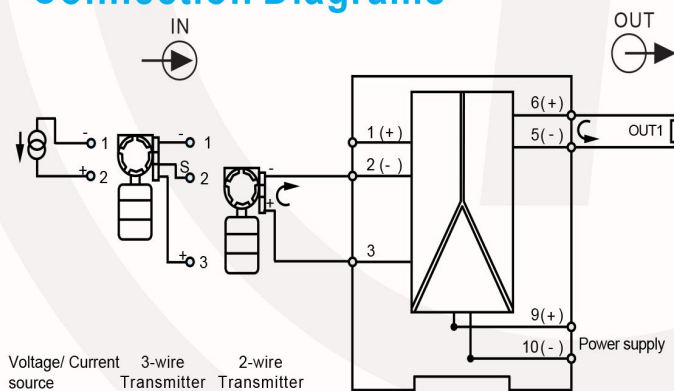
8000 SERIES

wert.i
sensors ⊕ controls

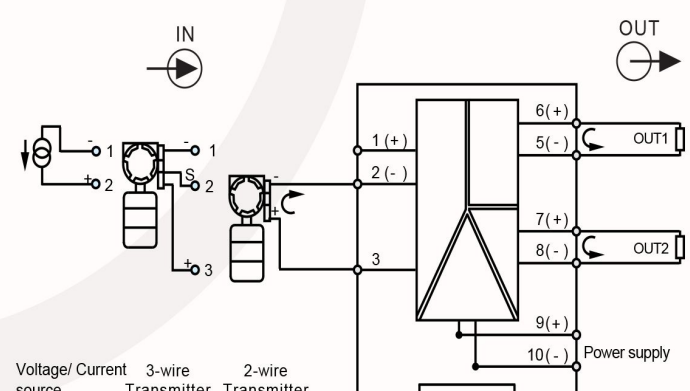
Dimensions (in mm)



Connection Diagrams



1 INPUT 1 OUTPUT



1 INPUT 2 OUTPUT

Ordering code

SERIES 8000		SIGNAL CONDITIONER/ SPLITTER	
ITEM	CODE	INPUT	OUTPUT
ISOLATED REPEATER/ SPLITTER (1 IN 2 OUT)	8118	4 – 20mA DC	4 – 20mA DC