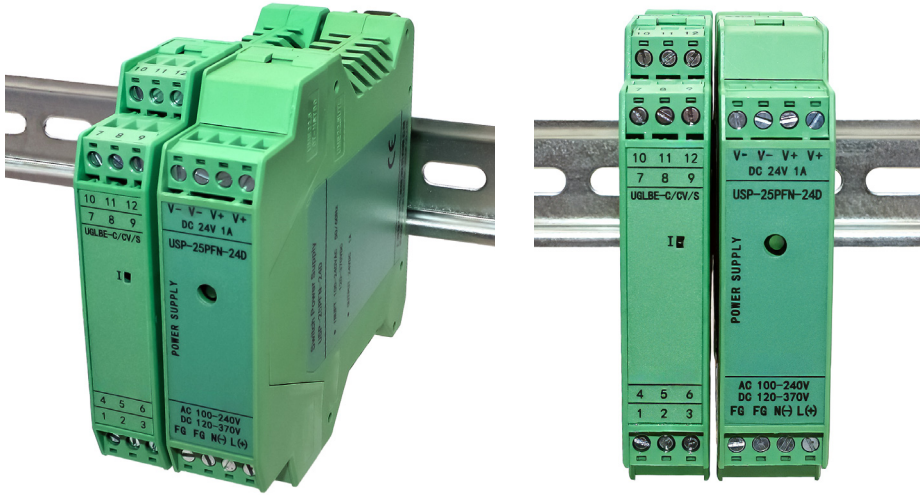




The ASI451145 + ASI462103 Kit provides a complete signal conditioning and power solution for 4–20 mA current loop systems. The ASI451145 2/3-wire signal splitter isolates, duplicates, and transmits analog signals to multiple devices, while the ASI462103 24V DC DIN rail power supply delivers clean, reliable power for precise signal operation. This pre-matched combination ensures accurate signal distribution and stable performance in control panels and process applications.

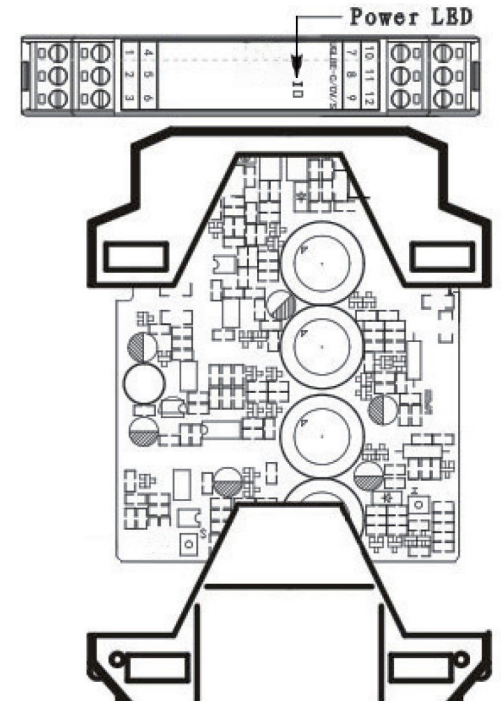
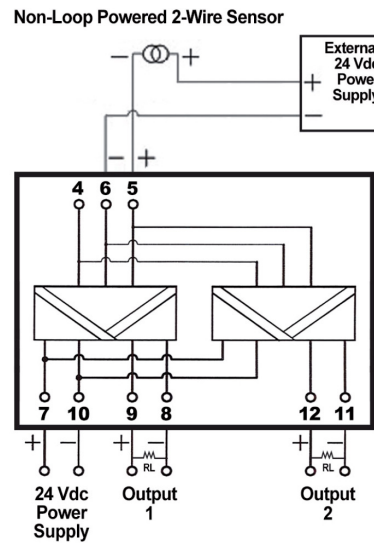
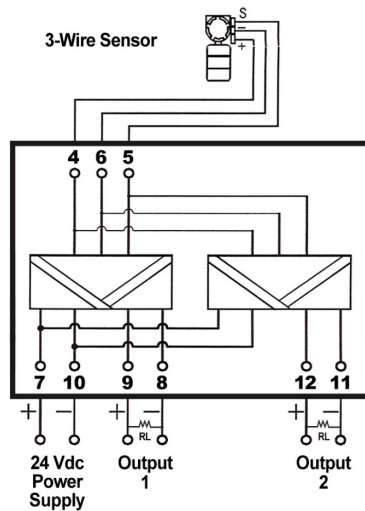
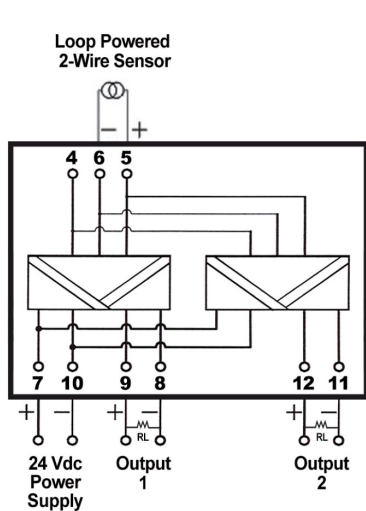
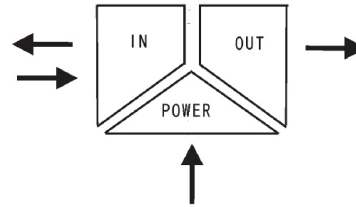
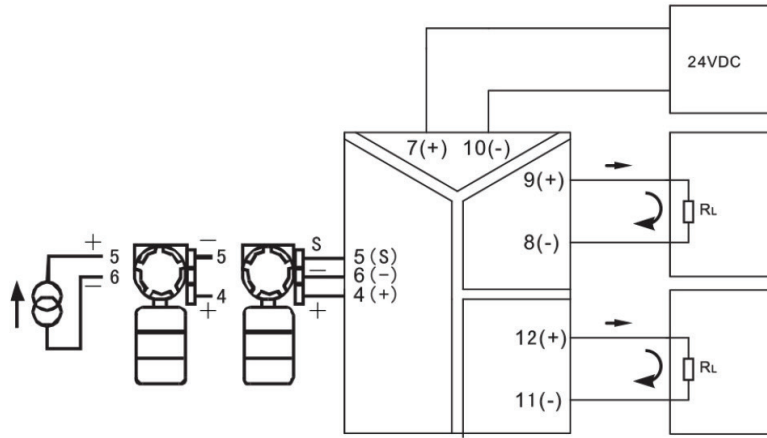
Key Features & Benefits:

- Complete 4–20 mA Signal Solution – Combines a precision signal splitter with a regulated 24V DC power source for reliable system integration.
- ASI451145 Signal Splitter – Accepts a 4–20 mA input and provides two isolated 4–20 mA outputs for transmitting signals to multiple instruments or PLCs.
- ASI462103 Power Supply – Compact DIN rail-mounted 24V DC power source ideal for powering transmitters, splitters, and signal conditioners.
- DIN Rail Mounted Design – Easy installation in control panels and automation enclosures.
- High Accuracy and Isolation – Prevents ground loops and ensures signal integrity in industrial environments.
- Industrial-Grade Performance – Reliable operation in demanding conditions, ideal for process control, automation, and instrumentation systems.

Technical Information - ASI451145	
Dimensions L/W/H	99 x 17.5 x 114mm
INPUT	
Input Signal	4-20mA
Voltage	17.5-25V
Input Impedance	≤ 100 Ω
Maximum Current	≤ 30mA _{dc}
OUTPUTS	
Output Signal	4-20mA
Load Resistance	R ≤ 300 Ω
Other Technical Information	
Power Supply	24V DC ± 10%
Power Consumption (24V DC Power Supply)	≤ 60mA
Output Accuracy (20°C)	0.5% F.S.
Temperature Drift (-20°C to +60°C)	0.05% F.S./10°
Response Time	≤ 100mS
Dielectric Strength	1500 Vac; 1min
Insulation Resistance (Between Input, Output and Power)	≥ 100M Ω, 500 Vdc
Electromagnetic Compatibility	GB/T 18266(IEC 61326-1)
Ambient Temperature	-20°C to +60 °C
Wire Size	20-14 AWG
Stripping Length	8mm

Technical Information - ASI462103	
Dimensions L/W/H	100 x 23 x 115mm
INPUT	
Widerange Input Voltage	85-264 V AC
Rated Input Voltage	115 V AC / 240 V AC
Input Current (typical)	0.3A / 115 V AC, 0.16A / 230 V AC
Frequency Range	47-63 Hz
Efficiency	84%
OUTPUT	
Rated Output Voltage	24 V DC
Output Current Range	0-1A
Power	24W
Ripple and Noise	100mVpp
Voltage Tolerance	+1.0%
Linear Regulation	+0.30%
Load Regulation Factor	+0.3%
Hold Time(Min)	20mS
Overload Protection	110-150% of rated output power
Overvoltage Protection	17.2-20.3V

Drawings



**Users may need to add an optional 250 Ω resistor to clear up the signal.*