

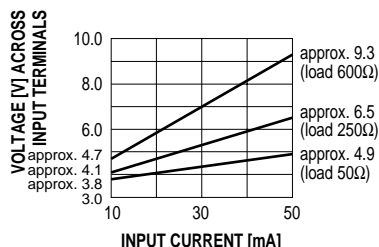


**INPUT 10 – 50mA DC / OUTPUT 4 – 20mA DC**

**Equivalent input impedance:**  $90\Omega + [\text{load resistance} \times 0.16]$  with 50mA input

**Operational range:** 7 – 55mA DC  
(Accuracy is assured within 8 – 55mA)

**Load resistance:** 600Ω maximum; min. 50Ω required for adequate operation



**INSTALLATION**

- Operating temperature:** -5 to +55°C (23 to 131°F)
- Operating humidity:** 30 to 90% RH (non-condensing)
- Mounting:** surface or DIN rail
- Dimensions:** W23×H76×D124 mm (0.91"×2.99"×4.88")  
See General Spec. Sheet Figure A-1.
- Weight:** 150 g (0.33 lbs)
- Terminal assignment:** See General Spec. Sheet Figure B-1.

**PERFORMANCE in percentage of span**

- VOLTAGE OUTPUT**
- Accuracy:** ±0.1%
- Temp. coefficient:** ±0.015%/°C (±0.008%/°F)
- Response time:** ≤0.5 seconds (0 – 90%)

**CURRENT OUTPUT**

- Accuracy:** ±0.1%
- Temp. coefficient:** ±0.02%/°C (±0.01%/°F)
- Response time:** approx. 15 milliseconds (0 – 90%)

- Load effect\***
- 4 – 20mA input:** 0.015%/Ω (50 – 150Ω)  
0.003%/Ω (150 – 350Ω)
- 10 – 50mA input:** 0.015%/Ω (50 – 100Ω)  
0.003%/Ω (100 – 600Ω)

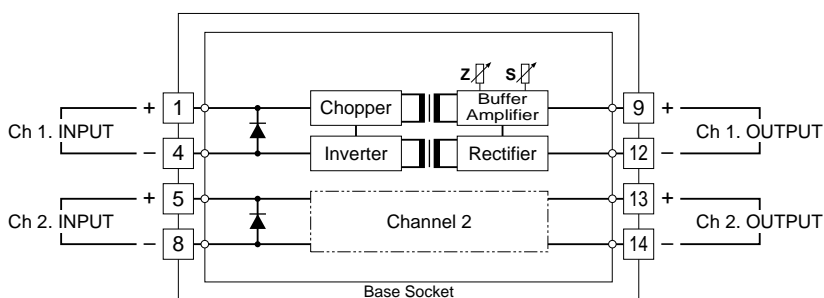
- \*The unit is calibrated with 250Ω load at the factory.
- Insulation resistance:** ≥100MΩ with 500V DC
- Dielectric strength:** 500V AC @1 minute  
(input to output)  
2000V AC @1 minute (between channels)  
2000V AC @1 minute  
(input or output to ground)

**STANDARDS & APPROVALS**

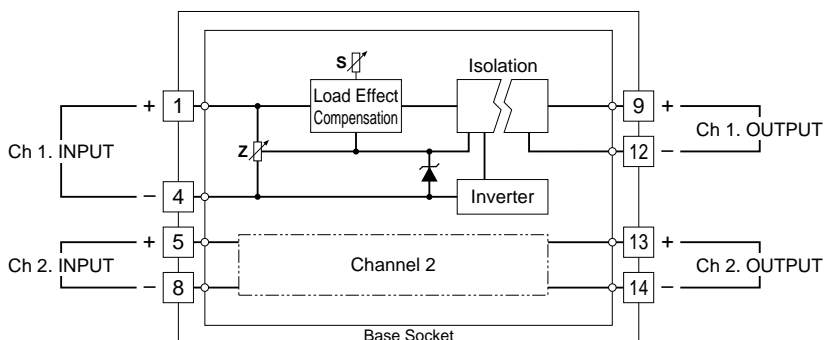
- CE conformity:** Electromagnetic Compatibility Directive (89/336/EEC)  
EMI EN50081-2  
EMS EN50082-2 (EN61000-6-2)
- Approval:** UL nonincendive Class I, Division 2, Groups A, B, C, and D hazardous locations (UL 1604); UL general safety requirements (UL 3111-1)

**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**

**VOLTAGE OUTPUT**



**CURRENT OUTPUT**



Specifications subject to change without notice.