

OUTPUT

•DC Current: 0 – 20mA DC

Minimum span: 1mA

Zero suppression/elevation: max. 1.5 times span

Load resistance: output drive 15V maximum

Output	Load Resistance
4 – 20mA	: 750 (Ω maximum)
2 – 10mA	: 1500
1 – 5mA	: 3000
0 – 20mA	: 750
0 – 16mA	: 900
0 – 10mA	: 1500
0 – 1mA	: 15k

•DC Voltage: -10 – +12V DC

Minimum span: 5mV

Zero suppression/elevation: max. 1.5 times span

Load resistance: output drive 1mA maximum at $\geq 0.5V$

Output	Load Resistance
0 – 10mV	: 10k (Ω minimum)
0 – 100mV	: 100k
0 – 1V	: 1000
0 – 10V	: 10k
0 – 5V	: 5000
1 – 5V	: 5000
-10 – +10V	: 10k
-5 – +5V	: 5000

INSTALLATION**Power input**

AC: operational voltage range 85 – 264V;
47 – 66 Hz; approx. 3VA at 100V
approx. 4VA at 200V
approx. 5VA at 264V

DC: operational voltage range for R: 24V
 $\pm 10\%$, R2: 11 – 27V, or P: 85 – 150V;
ripple 10% p-p max.; approx. 3W

Operating temperature: -5 to +55°C (23 to 131°F)

Operating humidity: 30 to 90% RH (non-condensing)

Mounting: surface or DIN rail

Dimensions: W29.5×H76×D124 mm
(1.16"×2.99"×4.88")

Weight: 150 g (0.33 lbs)

PERFORMANCE in percentage of span

Accuracy: $\pm 0.1\%$ **

Linearity: $\pm 0.05\%$ **

Temp. coefficient: $\pm 0.02\%/^{\circ}C$ ($\pm 0.01\%/^{\circ}F$)**

**Input $\geq 3mV$

Response time: ≤ 0.5 seconds (0 – 90%)

approx. 25 milliseconds with option /K

Line voltage effect: $\pm 0.1\%$ over voltage range

Insulation resistance: $\geq 100M\Omega$ with 500V DC

Dielectric strength: 2000V AC @1 minute

(input to output to power to ground)

STANDARDS & APPROVALS

CE conformity: EMC Directive (89/336/EEC)

EMI EN61000-6-4

EMS EN61000-6-2

Low Voltage Directive (73/23/EEC)

EN61010-1

Installation category II

Pollution degree 2

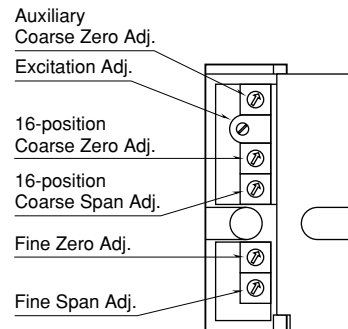
Max. operating voltage 300V

Input or output to power – Reinforced insulation

Input to output – Basic insulation

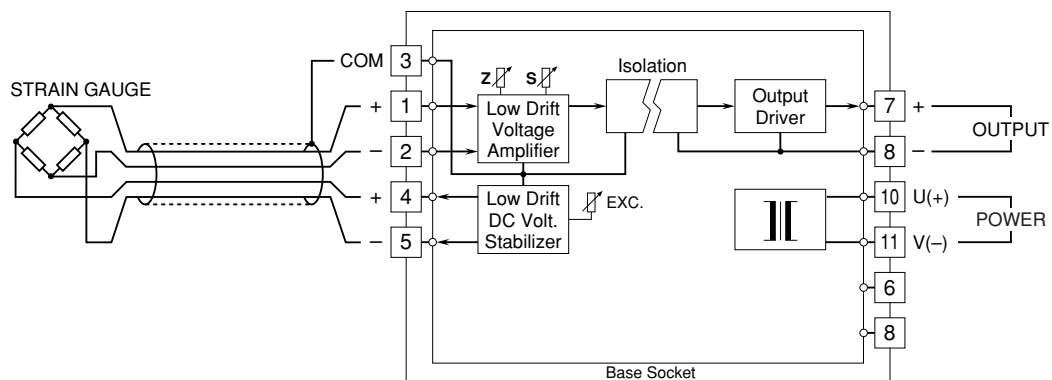
FRONT PANEL CONFIGURATION

(with cover open)

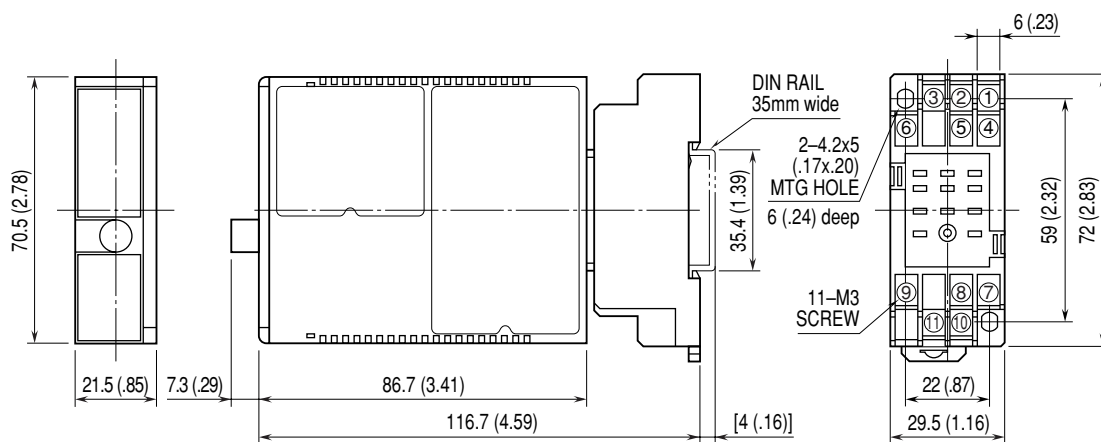


- **Coarse Zero Adj. (auxiliary):** Used when the zero cannot be adjusted with only the coarse and fine zero adjustments.
- **Excitation Adj.:** Factory adjusted.
- **Coarse Zero Adj.:** Tare adjustment. Approx. 5% of input span adjustable with each increment. Max. 80% by 16 positions.
- **Coarse Span Adj.:** Gain adjustment. 100 – 20% of input span adjusted by 16 positions.
- **Fine Zero Adj.:** Tare adjustment
- **Fine Span Adj.:** Gain adjustment

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS mm (inch)



•When mounting, no extra space is needed between units.