



**INPUT & OUTPUT****INPUT**

• **DC Current:** Shunt resistor attached to input terminals (0.5W)

**Input resistance:** For resistance values other than listed below, specify when ordering.

Input	Input Resistance
4 – 20mA	: 250 (Ω) (50Ω for Code A1)
2 – 10mA	: 500
1 – 5mA	: 1000
0 – 20mA	: 50
0 – 16mA	: 62.5
0 – 10mA	: 100
0 – 1mA	: 1000
10 – 50mA	: 100
0 – 10μA	: 1000
0 – 100μA	: 1000
-1 – +1mA	: 1000
-10 – +10mA	: 100

• **DC Voltage:** -30 – +30V DC

**Minimum span:** 3mV

**Zero suppression/elevation:** Max. 1.5 times span

**Input resistance**

Input Span	Input Resistance
3 – 10mV	: 10k (Ω minimum)
10 – 100mV	: 10k
0.1 – 1V	: 100k
≥1V	: 1M

**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 ≥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  
±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:** W23×H76×D124 mm (0.91"×2.99"×4.88")  
See General Spec. Sheet Figure A-2.

**Weight:** 150 g (0.33 lbs)

**Terminal assignment:** See General Spec. Sheet Figure B-2.

**PERFORMANCE in percentage of span**

**Accuracy:** ±0.2%

**Setting accuracy:** ±0.2%

**Temp. coefficient:** ±0.015%/°C (±0.008%/°F)

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

**Line voltage effect:** ±0.1% over voltage range

**Insulation resistance:** ≥100MΩ 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

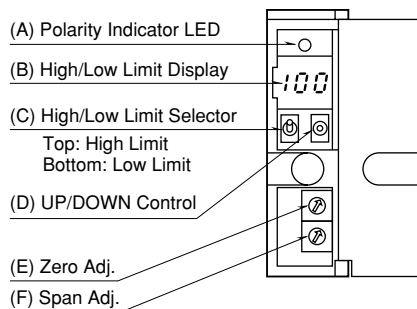
Pollution degree 2

Max. operating voltage 300V

Input or output to power – Reinforced insulation

Input to output – Basic insulation

## FRONT PANEL CONFIGURATION



The front cover cannot be turned open by 180 deg. when there is no extra space between units.

### •How to Set High Limit

Turn the High/Low Limit Selector (C) to the top. The High/Low Limit Display (B) shows the current high limit (-10.0 – +105%). Press UP/DOWN Control (D) until the display shows a desired set value. The Polarity Indicator LED (A) is red when the set value is in positive range, green when in negative range.

The high limit is factory set to 100%.

### •How to Set Low Limit

Turn the High/Low Limit Selector (C) to the bottom. The High/Low Limit Display (B) shows the current low limit (-10.0 – +105%). Press UP/DOWN Control (D) until the display shows a desired set value.

The Polarity Indicator LED (A) is red when the set value is in positive range, green when in negative range.

The low limit is factory set to 0%.

## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

