

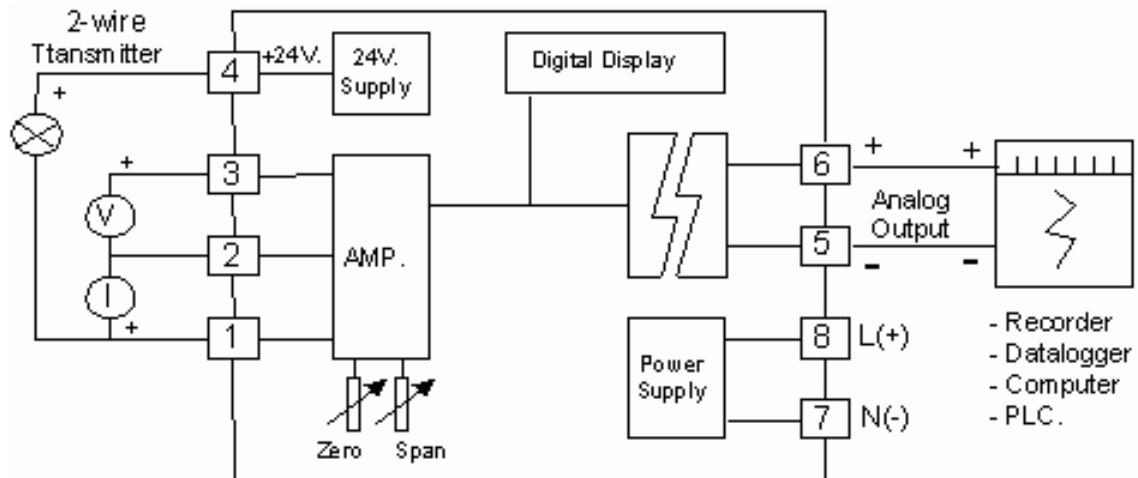
# Digital Process Indicator

## DP20



- 3 1/2 digits LED display
- Adjustable display scaling
- 24 VDC supply for 2-wire transmitter
- 4-20 mA, 0-10 VDC Analog output (Optional)

**Digital Process Indicator DP20** receive standard current or voltage signal to display as digital. The scale of display can be adjust. It have 24 VDC Supply for 2-wire transmitter.



## Specifications

### Monitor

**Display:** 3 ½ Digits, 14.3 mm. (7-segment)

**Display Color:** Red (std)

**Scaling Factor:** Zero and span adjustable

**Dacimal Point:** 3 positions selectable by jumper

**Read Rate:** Available by external contact

### Analog Input

**Number of channel:** 1 Channel

**Input type:** Current, Voltage

#### Input range:

Current (0 to 20, 4 to 20 mA)

Voltage (0 to 5, 1 to 5, 0 to 10 VDC)

**Input impedance:** Current load 100 Ω

### Analog Output

**Number of channel:** 1 Channel

(Optional)

**Output type:** Current, Voltage

#### Output range:

Current (4 to 20 mA)

Voltage (1 to 5, 0 to 10 VDC)

**Loop Powered:** 36 mA @ 24 VDC (With Current limit)

**Output Impedance:** Current Max. load 1000 Ω

**Ordering Information:** Specify Input, Power supply, Analog output

Example DP20/4-20mA/220VAC/0-10VDC

### Package Checklist

1. DP20

### Power Requirements

**Power Supply:** 110, 220 VAC  
(24, 110, 125 VDC, Optional)

### Environmental Limits

**Operating Temperature:** 0 to 55 °C

**Operating Humidity:** 5 to 95% RH

**Storage Temperature:** 0 to 70 °C

### Physical Characteristics

**Dimension:** W96 x H48 x D120 mm.

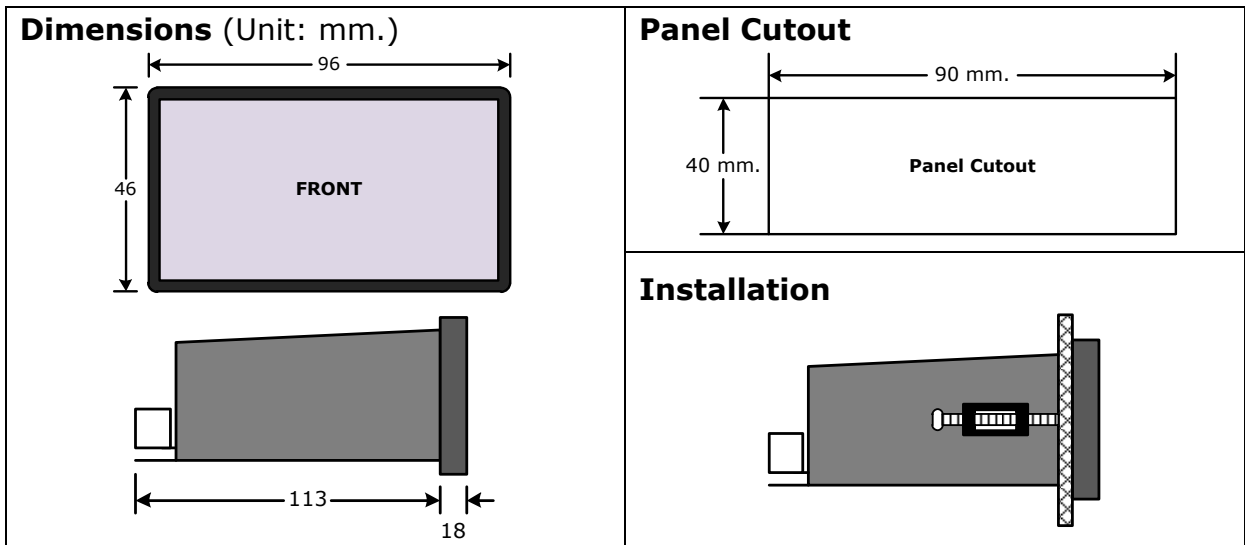
**Panel Cutout:** W90 x H40 mm.

**Mounting:** Panel flush mounting

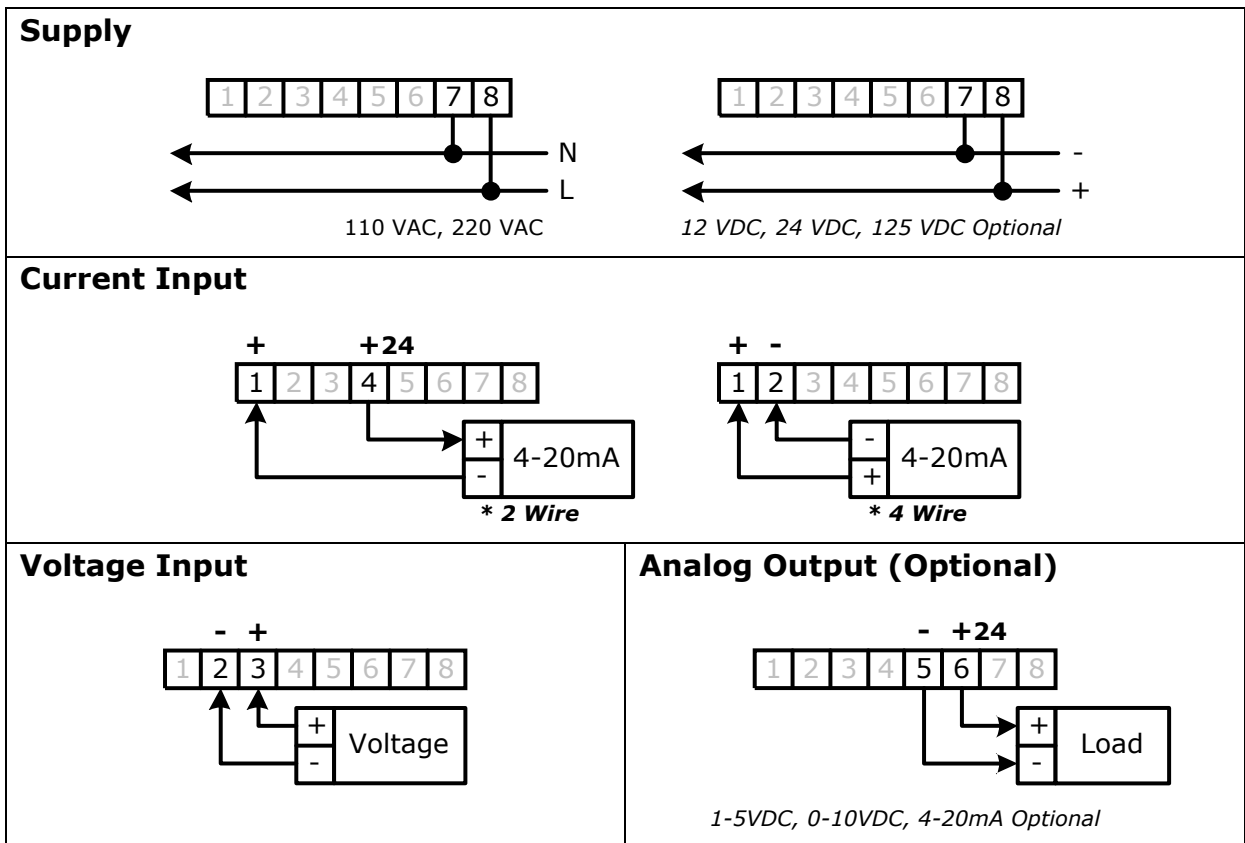
**Wiring:** Screw terminals

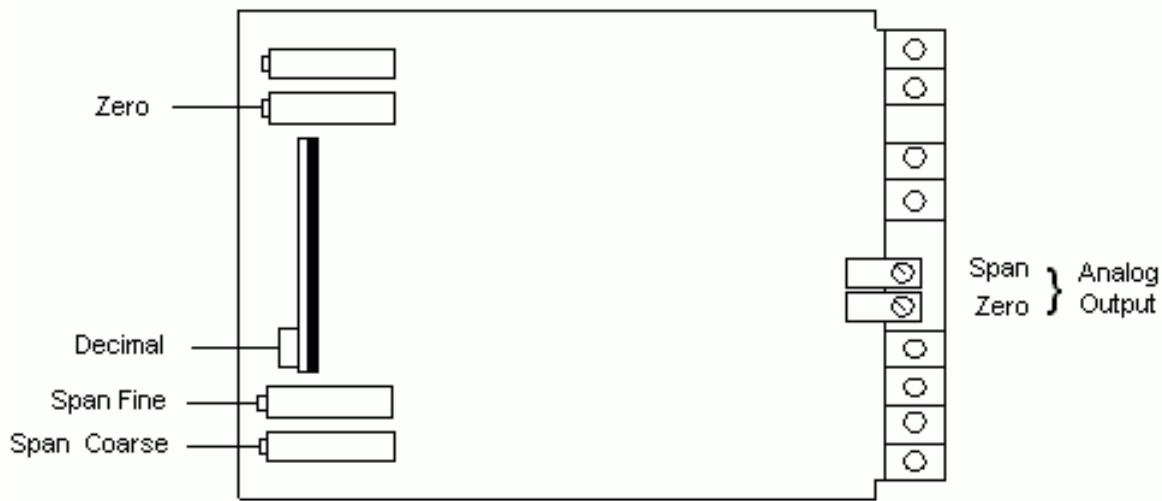
### Warranty

**Warranty Period:** 5 Year



**Wiring**





### How To Set Digital Display

Open from panel you will see trim pot as in Fig.1

1. Set input signal at 0 % of input range. Adjust "Zero" pot to display at 0 %
2. Set input signal at 100 % of input range. Adjust "Span" pot to display at 100%
3. Repeat item 1 and 2 until you get 0 - 100 % display.
4. Decimal point can be set by jumper.

### How To Calibrate Analog Output

Trim pots for calibrate analog output are at the back of the module

1. Set input signal at 0 % of input range. Adjust "Zero" to 0 % output
2. Set input signal at 100 % of input range. Adjust "Span" to 100 % output
3. Repeat item 1 and 2 until you get 0 - 100 % output