

Function: IDL-DCV-J is an economic, easy to use 1/8 DIN screwdriver scaleable (zero and span pots) panel mounting digital DC Voltage indicator with high efficiency 3½ digit red LED displays. It is designed for use in instrumentation systems with DC Voltage inputs. The indicators are either AC or DC powered and provided with screw terminals for all connections. The zero and span and decimal point are selectable by means of potentiometers and links. Optional functions include a remote variable brightness control, a remote decimal point location function and green LEDs.

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**SPECIFICATIONS****INPUTS:**

Link selectable

0-200mV DC into 10 Megohms  
 0-2V DC into 1 Megohm  
 0-20V DC into 1 Megohm  
 0-200V DC into 1 Megohms  
 0-500V DC into 4.7 Megohms

**DISPLAYS:****Display**

3½ digit RED LED

**Digit Size**

14.2mm 0.56"

**Calibration**

Potentiometer zero &amp; span adjustment

**Decimal Point**

Decimal point may be located as required - factory set or position jumper switch.

**OPTIONS:**

Green LEDs

Remote Brightness adjustment.

Remote decimal point selector.

**SUPPLY:****Power Supply Voltage**

Solder link selectable  
 240 Volt AC  $\pm 10\%$  50/60 Hz  
 110 Volt AC  $\pm 10\%$  50/60 Hz

**Optional Power Supplies**

48 Volt AC  
 or  
 24 Volt AC  
 or  
 11 to 30 Volt DC

**Power Required**

4 Watts Max

**GENERAL:****Accuracy** $\pm 0.1\%$  of range,  $\pm 2$  counts**Thermal Stability**

Span - 100ppm / per Degree Celsius max.  
 Zero - 50ppm / per Degree Celsius

**Samples Rate**

2.5 samples per second

**Operating / Storage****Temperature Range**0 to  $+50^{\circ}\text{C}$  / -10 to  $+70^{\circ}\text{C}$ **Operating / Storage****Humidity Range**

0 to 95% RH non-condensing

**Mounting**

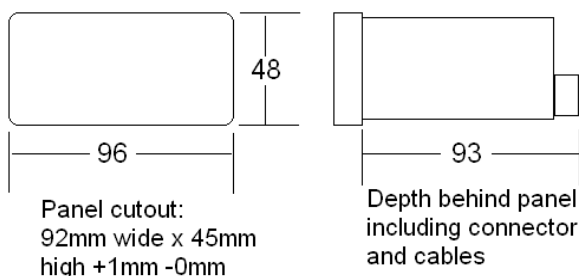
Panel mounting

**Protection Level**

Fascia Panel to IP54 std,  
 IP67 with optional SPC4 Cover

**Weight**

300 gms

**MECHANICAL DETAILS****TERMINATION DETAILS****Terminal**

- |    |                      |         |        |
|----|----------------------|---------|--------|
| 1  | Input Common -ve     |         |        |
| 2  | Input Low Range +ve  |         |        |
| 3  | Input High Range +ve |         |        |
| 4  | Optional functions   |         |        |
| 5  | Optional functions   |         |        |
| 6  | Optional functions   |         |        |
| 7  | Optional functions   |         |        |
| 8  | Power Supply         | Earth   |        |
| 9  | Power Supply         | Line    | +ve DC |
| 10 | Power Supply         | Neutral | -ve DC |

**ORDERING DETAILS**

a) Give indicator type – IDL-DCV-J

b) Display Colour, i.e. Red or Green

c) Give details of power supply, i.e. 240 Volt AC

d) Specify input type and range, i.e. 0 to 20V

e) Specify Options, i.e. Green Display, Remote Brightness Adjustment, Remote Decimal Point Adjustment.