

Function: IDL-DCI-J is an economic, easy to use 1/8 DIN screwdriver scaleable (zero and span pots) panel mounting digital DC Current indicator with high efficiency 3½ digit red LED displays. It is designed for use in instrumentation systems with DC Current 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

0-2mA DC into 100 ohms
 0-20mA DC into 10 ohms
 0-200mA DC into 1 ohm
 0-2A DC into 0.1 ohms
 0-5A DC into 0.04 ohms

DISPLAYS:**Display**

3½ digit RED LED

Digit Size

14.2mm 0.56"

Calibration

Potentiometer zero & 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, ± 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 Range0 to $+50^{\circ}\text{C}$ / -10 to $+70^{\circ}\text{C}$ **Operating / Storage Humidity Range**

0 to 95% RH non-condensing

Mounting

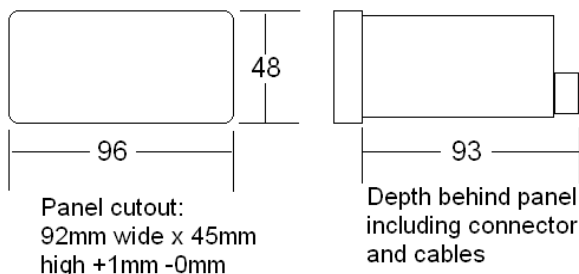
Panel mounting

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-DCI-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 20mA
 e) Specify Options, i.e. Green Display, Remote Brightness Adjustment, Remote Decimal Point Adjustment.