

Function: IDL-DCI-3 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, alarm relays, analogue output, RS232 output, BCD output and green LEDs.

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**SPECIFICATIONS****INPUTS:**

Link selectable

0-2mA DC into 100ohms  
 0-20mA DC into 10 ohms  
 0-200mA DC into 1 ohms  
 0-2A DC 0.1 into ohms  
 0-5A DC 0.4 into ohms

**DISPLAYS:****Display**

3½ digit RED LED

**Digit Size**

14.2mm 0.56"

**Calibration**

Potentiometer zero &amp; span adjustment

**Decimal Point**

Link Selectable

**OPTIONS**

Green LEDs

Analogue Output  
 4-20mA into 0 to 500 Ohms  
 0-10V into loads >600 Ohms  
 Not isolated from input, so only use if you have a current transformer to provide input isolation. Fully scalable with zero and span potentiometers. Can be combined with alarm outputs.

2 x Settable SPCO Alarm Relays

RS232 Output

BCD Output

Note:  
 The RS232 and BCD outputs are not available if alarms or analogue output option are fitted.

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

95 to 265VAC - 50/60 Hz

**Optional Power Supplies**

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

**Power Required**

8VA Max

**GENERAL:****Accuracy**

0.05% of reading

**Thermal Stability**

50ppm of range/C zero and span

**Speed of Response**

Display = 2.5 per second

**Operating / Storage****Temperature Range**

-20 to +50°C / -40 to +85°C

**Operating / Storage****Humidity Range**

90% RH max at 40C, non-condensing

**Mounting**

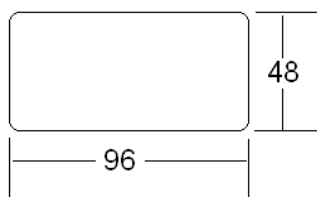
Panel mounting

**Protection Level**

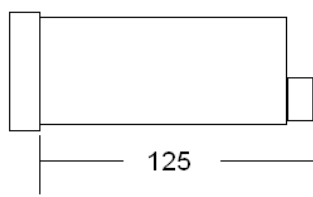
Fascia Panel to IP54 std, IP67 with optional SPC4 Cover

**Weight**

550 gms typically

**MECHANICAL DETAILS**

Panel cutout:  
 92mm wide x 45mm  
 high +1mm -0mm



Depth behind panel  
 including connector  
 and cables

**TERMINATION DETAILS**

Terminal

- |                                      |                  |
|--------------------------------------|------------------|
| 1 Input Common -                     | 18 N/O           |
| 2                                    | 19 Common Trip 1 |
| 3                                    | 20 N/C           |
| 4 Input Signal +                     |                  |
| 5                                    |                  |
| 6                                    |                  |
| 7                                    |                  |
| 8 230VAC or +ve DC                   |                  |
| 9 110VAC                             |                  |
| 10 Neutral or -ve DC                 |                  |
| 11 Earth                             |                  |
| 12 Analogue Output +4-20mA or +0-10V |                  |
| 13 Analogue Output -4-20mA           |                  |
| 14 Analogue Output -10V              |                  |
| 15 N/O                               |                  |
| 16 Common Trip 2                     |                  |
| 17 N/C                               |                  |

**ORDERING DETAILS**

- a) Give indicator type – IDL-DCI-3  
 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 1.999mA  
 e) Specify Options, i.e. Green Display, Analogue Output, RS232 Output, BCD Output, Alarm Relays.