

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

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SPECIFICATIONS**INPUTS:**

Link selectable

0-200mV DC into 1 Megohm
 0-2V DC into 1 Megohm
 0-20V DC into 1 Megohm
 0-200V DC into 1 Megohm

DISPLAYS:**Display**

3½ digit RED LED

Digit Size

14.2mm 0.56"

Calibration

Potentiometer zero & 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

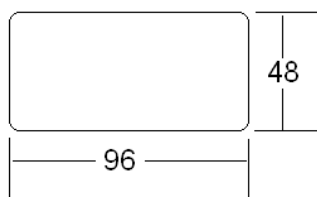
Panel mounting

Protection Level

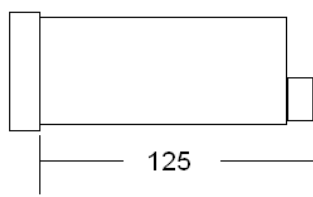
Fascia Panel to IP54 std, IP67 with optional SPC4 Cover

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-DCV-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 20V

e) Specify Options, i.e. Green Display, Analogue O/P, etc.