

Function: IDL-ACV-3 is an economic, easy to use 1/8 DIN screwdriver scaleable (zero and span pots) panel mounting digital AC Voltage indicator with high efficiency 3½ digit red LED displays. It is designed for use in instrumentation systems with AC 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, RMS input, alarm relays, analogue output, RS232 output, BCD output and green LEDs.

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SPECIFICATIONS

INPUTS:

Link selectable

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

RMS Input Converter

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
0.1% of reading for average,
0.2% of reading for RMS,
1% to 100% nominal I/P

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

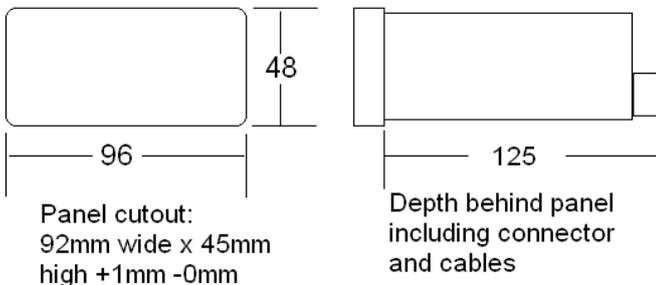
Operating / Storage Humidity Range
95% RH max at 40C, non-condensing

Mounting
Panel mounting

Protection Level
Fascia Panel to IP54 std,
IP67 with optional SPC4 Cover

Weight
550 gms typically

MECHANICAL DETAILS



TERMINATION DETAILS

- Terminal
- 1 Input Common ~
 - 2 Input Signal ~
 - 3 Not used
 - 4 Not used
 - 5 230VAC or +ve DC
 - 6 110VAC
 - 7 Neutral or -ve DC
 - 8 Earth
 - 9 Analogue Output +4-20mA or +0-10V
 - 10 Analogue Output -4-20mA
 - 11 Analogue Output -10V
 - 12 N/O
 - 13 Common Trip 2
 - 14 N/C
 - 15 N/O
 - 16 Common Trip 2
 - 17 N/C

ORDERING DETAILS

- a) Give indicator type – IDL-ACV-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