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Function: IDL-ACV-J 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 a remote variable brightness control, a remote decimal point location function, RMS Input Converter and green LEDs.

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 10 Megohms
- 0-500V AC into 10 Megohms

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

RMS Input Converter

Green LEDs

Remote Brightness adjustment.

Remote decimal point selector.

SUPPLY:

Power Supply Voltage

Solder link selectable
240 Volt AC ±10% 50/60 Hz
110 Volt AC ±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

+/- 0.25% of range, +/- 1count for i/p >1% of range

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°C / -10 to +70°C

Operating / Storage Humidity Range

0 to 95% RH non-condensing

Mounting

Panel mounting

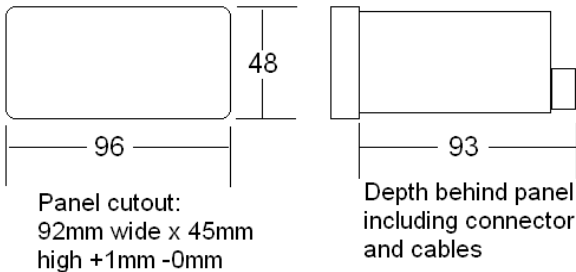
Protection Level

Fascia Panel to IP54 std, IP67 with optional SPC4 Cover

Weight

300 gms

MECHANICAL DETAILS



TERMINATION DETAILS

Terminal

- 1 Input Common ~
- 2 Input Low Range ~
- 3 Input High Range ~
- 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-ACV-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 and RMS Input Converter.