

5 Digit Digital Process Indicator

IDL-IJ-P

Function: IDL-IJ-P is a low cost yet highly flexible and easy to use 1/8 DIN scaleable panel mounting digital process indicator. It is designed for use in instrumentation systems with mA current or DC Voltage inputs. The indicator comes with 2 precision alarm relays and a 24 Volt DC excitation voltage as standard. The alarm relays can be set anywhere in the measuring range. Each relay can be configured as either High or Low and can have its hysteresis set to minimise relay chatter. The display can be preset, or adjusted by the user, to display engineering units. The indicators are 95 to 265 Volt AC or 11 to 30 Volt DC powered and provided with screw terminals for all connections.



Lee-Dickens Ltd
Tel: 01536-760156

SPECIFICATIONS

INPUTS:

Direct connection, 2 wire active or passive loops and 3 wire transmitter systems

DC Current

0 to 10mA into 33 ohms
0 to 20mA into 33 ohms
4 to 20mA into 33 ohms
Other ranges can be configured if required – call sales office for further information

DC Voltage

0 to 5 Volts
1 to 5 Volts
0 to 10 Volts

Input Impedance

1M Ohm

Filtering

Adjustable 0 to 5 Seconds

DISPLAYS:

Display
5 digit RED LED

Optional Extra:
5 digit GREEN LED

Digit Size
14.2mm 0.56"

Full Scale Range
-19999 to +99999

Scaleable to required engineering unit range

Decimal Point
Programmed from front panel

Last Digit Round Up
Selectable 1, 2, 5, 10, 20 or 50

Front Panel Controls
Calibration, Tare, Reset and Max / Min

SUPPLY:

Power Supply Voltage
95 to 265 Volt AC $\pm 10\%$ 50/60 Hz
Optional:
11 to 30 Volt DC

Power Required

4 Watts Max

Excitation

24 VDC up to 30mA

Optional Extra Alternative:
5V, 10V & 12V transducer supplies

OUTPUTS:

2 Alarm SPCO relays
Contact Rating: 5A 250VAC
De-energise on Trip (Fail-Safe)
Response Time: 500ms
Front panel LED indicates when in Alarm

GENERAL:

Accuracy
+/- 0.05% of range

Thermal Stability Range
 $\pm 100\text{ppm} / ^\circ\text{C}$

Thermal Stability Offset
 $\pm 100\text{ppm} / ^\circ\text{C}$

Operating / Storage Temperature Range
0 to +50°C / -10 to +70°C

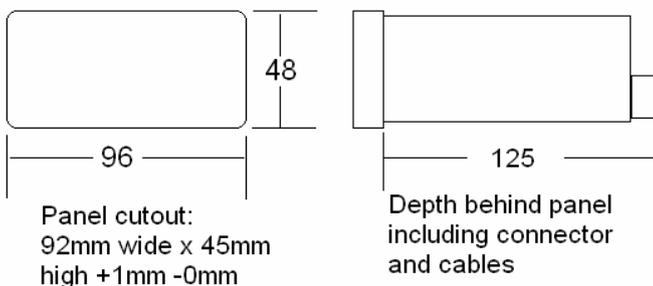
Operating / Storage Humidity Range
0 to 95% RH non-condensing

Mounting
Panel mounting

Protection Level
Fascia Panel to IP54 standard
IP67 with optional SPC4 Cover

Weight
300 gms

MECHANICAL DETAILS



TERMINATION DETAILS

- Terminal
- 1 Input Common -ve
 - 2 Input Current +ve
 - 3 Input Voltage +ve
 - 4 24V DC Excitation Voltage
 - 5 Alarm 1 N/C
 - 6 Alarm 1 common
 - 7 Alarm 1 N/O
 - 8 Alarm 2 N/C
 - 9 Alarm 2 Common
 - 10 Alarm 2 N/O
 - 11 Earth
 - 12 Power Supply Neutral / -ve DC
 - 13 Power Supply Line / +ve DC

ORDERING DETAILS

- a) Give Details of Indicator type, i.e. IDL-IJ-P
- b) Display Colour – normally RED – optionally GREEN
- c) Give details of power supply, i.e. 240 Volt AC
- d) Specify input type and range, i.e. 4 to 20mA
- e) Specify display ranging (if required), i.e. 0 to 1450.0
- f) Specify alternative transducer supply, if required, i.e. 12 Volt DC