



DIGITAL PANEL INDICATOR

K – 5104

- * **Versatile**
- * **High Accuracy**
- * **High Reliability**
- * **Bright 4½ Digit LED Display**
- * **Fully Rangeable Zero and Span Adjustment for Indication in Engineering Unit**
- * **Compact 1/8th DIN Case**



Switzer K – 5104 Digital Panel Indicators are designed and manufactured using the latest state-of-the-art technology. These are high density electronic digital indicators suitable for process control applications. These can be combined with variety of process control transmitters to form a vigilant supervisory control system. This DPM can be used with transmitters of all types and makes, including Switzer Pressure and Level transmitters. In addition to the indication in engineering units, a control relay can be incorporated in the instrument, for Alarm annunciation with wide dead band or On-Off control with fixed dead band. The instrument, being versatile and compact, is best suited for panel manufacturers, OEM users and for all process plant requirements.

ORDERING MATRIX

Basic Catalogue No. K-5104

ANALOG INPUT (Refer Note 2)

4 – 20 mA	_____	A
0 – 20 mA	_____	B
1 – 5V	_____	C
0 – 5V	_____	D

POWER SUPPLY

90 to 250V AC	_____	A
100 to 300V DC	_____	G
18 to 32V DC	_____	E

ALARM OPTIONS

No Alarm	_____	Z
1 High Alarm only	_____	A
1 Low Alarm only	_____	B
1 High Alarm, 1 Low Alarm	_____	C
2 High Alarms	_____	D
2 Low Alarms	_____	E

ANALOG OUTPUT (Refer Note 2)

None	_____	Z
4 – 20 mA	_____	A
0 – 20 mA	_____	B
1 – 5V DC	_____	C
0 – 5V DC	_____	D

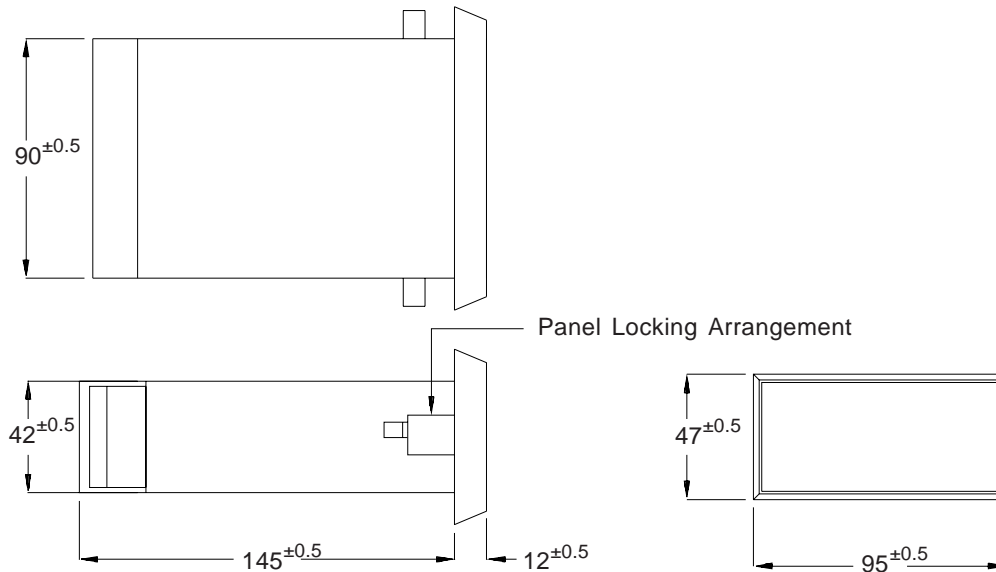
Notes :

1. Default display calibrated for 0–100%
2. For any other input / output options consult factory.

TECHNICAL SPECIFICATION

Input Range	Current or Voltage 4–20 mA, 0–20 mA, 1–5V, 0–5V	Power Supply	90 to 250V AC or 100 to 300V DC or 18 to 32V DC
Instrument Range	0 to 19999 counts. Std. calibration is for 0–10000 counts. For calibration in engineering units, please specify units and counts at minimum and maximum input	Power Consumption	5VA
Range Adjustability	Max. Zero Suppression : 85% of span Max. Zero Elevation : 35% of span	Alarm Output	'1' or '2' setpoints 1 SPDT change-over relay contact rated at 5A 230V AC / 28V DC (Res) for each setpoint
Accuracy	± 0.1% of calibrated span	Deadband	For 1 setpoint, deadband is adjustable from 2 to 200 counts For 2 setpoint, deadband is fixed at 20 or 50 counts (to avoid setpoint overlap)
Input Impedance	125 Ω typical for Current input 200K Ω typical for Voltage input	Analog Output	Current : 4 – 20 mA, 0 – 20 mA; Accuracy of 0.2% of span; Maximum load of 750 Ω Voltage : 1 – 5V DC, 0 – 5V DC; Accuracy of 0.2% of span
Resolution	0.0001 or 0.001 or 0.01 or 0.1 or 1 count. Selectable by shorting link upon removal of filter to read maximum 1.9999, 19.999, 199.99, 1999.9, 19999	Termination Input	PCB mount screw clamp terminals
Loop Drop	2.5V maximum	Overall Dimension	95 (W) × 47 (H) × 157 (L) mm
Transmitter Excitation Supply	Isolated 24V DC, 30 mA (Not available in Indicator using 18 to 32V DC power supply)	Panel Cutout	91 × 43 mm (+0.75, –0.00 mm)
Display	4½ digit, 10mm Character height Red LED	Depth Behind Panel	145 mm
		Case	Engineering plastic suitable for flush panel mounting
		Ambient Temperature	0 to 50°C
		Relative Humidity	Max. of 95% RH, non-condensing

MOUNTING DIMENSIONS



All dimensions are in mm

Prior notification of changes in specification is impracticable due to continuous development.

FOR **SWITZER'S** OFFICES IN INDIA

CHECK AT:

<http://www.switzerinstrument.com/offices.htm>