Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

LED & LCD DIGITAL PANEL METERS

Large LCD & LED Digital Panel Meters- 3 1/2 Digit

DESCRIPTION

The LCD provides a large,.98", 3-1/2 digit black, green, red or blue display.
The LED provides a large, .8", 3-1/2 digit, green or red display.

LCD FEATURES

- Decimal point user selectable
- Eng. units user selectable
- Snap-in panel mounting
- Large .98" digits for easy viewing

LED FEATURES

- Decimal point user selectable
- Snap-in panel mounting
- Large .8" digits for easy viewing

ALL MODELS

- Gasket and clamp provided for optional NEMA applications

Specifications:

Display:		
	Digits:	3 1/2 Digits (±1999 counts)
	Type:	0.98" (24.9 mm) LCD
		0.8" (20.3 mm) LED
	Polarity:	Automatic, "-" Displayed.
	Decimal Points:	3 Position, User Selectable
	Overload:	Three lower order digits blank for inputs >1999 & <-1999
	Hold:	Display Hold Function is Standard
	Annunciators:	PSI, PSI,°F,°C,% (user selected, LCD only)
Inputs:		
	Ranges:	±200.0mV, +/-2.000V, +/-20.00V DC, 4-20mA
	Configuration:	Bipolar, Differential
	Protection:	±350V DC, (±100V DC on 200mV Range)
	Impedance:	>1 Megohm, (>10 Megohm on 200mV Range)
Performance:	Accuracy:	±(0.05% FS +1 counts)
	Conversion Rate:	3 per Second
	Normal Mode Rejection:	>30 db @ 60 Hz
	Common Mode Range:	±1V DC
	Common Mode Rej.:	>86 dB
	Zero Adjustment:	Automatic
	Warmup:	10 Minutes Typical
	Temperature Coeff.:	±100 ppm per °C Typical
Environment:		
	Operating Range:	-10 to 50 °C
	Storage Range:	-40 to 75 °C
Power Supply:		
	Voltage input units:	+5V DC (180mA LED, 3mA LCD)
	DK807:	powered by mA control loop
	DK757,DK857,DK957:	+24V DC (40mA)
Mounting:		
		Snap-In Panel Mount
Connection:		
		4 screw terminal (4-20mA)
		13 pin male connection (voltage)
		13 pin connector/wiring harness included

ORDERING INFORMATION

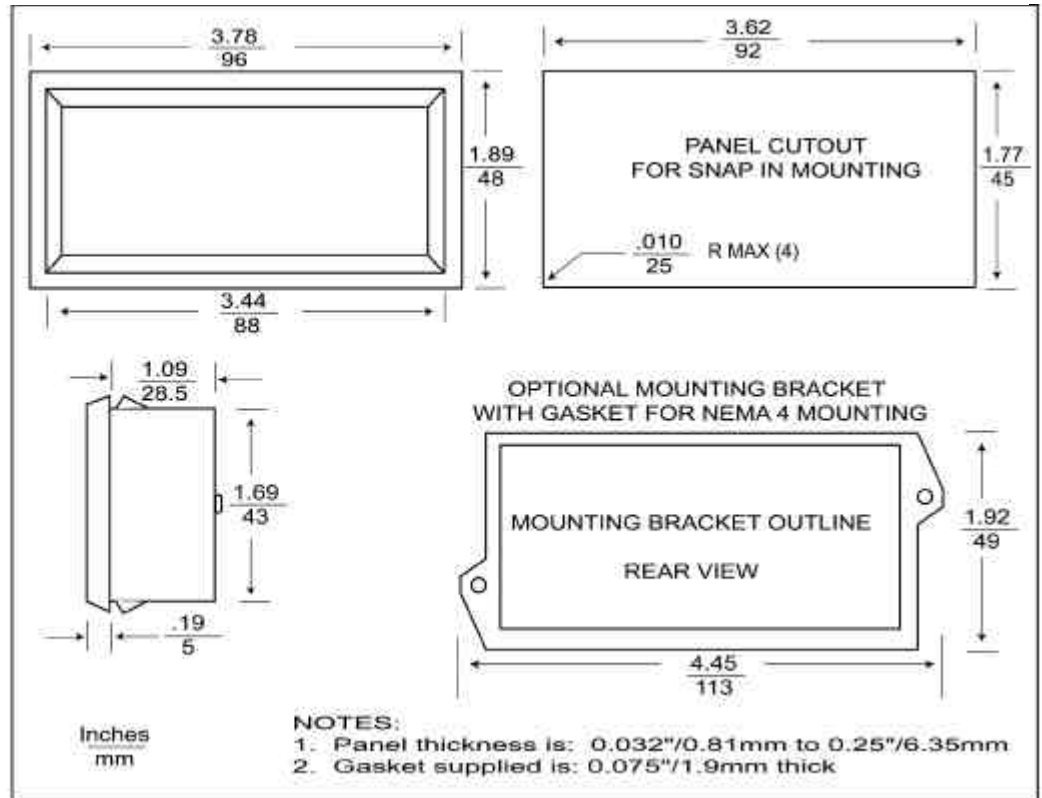| MODEL	DESCRIPTION
DK757B	4-20mA loop powered LCD, 24V BLUE NEG. B/L
DK801A	200mV input LCD
DK802A	2V input LCD
DK803A	20V input LCD
DK807A	4-20mA loop powered LCD
DK851A	200mV input - RED LED
DK852A	2V input - RED LED
DK853A	20V input - RED LED
DK857B	4-20mA loop poweredLCD , 24V RED NEG. B/L
DK857A	4-20mA loop controlled - RED LED
DK951A	200mV input - GREEN LED
DK952A	2V input - GREEN LED
DK953A	20V input - GREEN LED
DK957A	4-20mA loop controlled - GREEN LED
DK957B	4-20mA loop powered LCD, 24V GREEN NEG. B/L

C-TON Industries

Cutout

WIRING

Pin
1	+5V
2	Neg. Supply
3	INHI
4	INLO
5	Dec. common
6	Dec. 000.0 when connected to decimal common
7	Dec. 00.00 when connected to decimal common
8	Dec. 0.000 when connected to decimal common
9	No connection
10	No connection
11	Signal Hold when connected to decimal common (LED) or +5V (LCD)
12	No connection
13	No connection

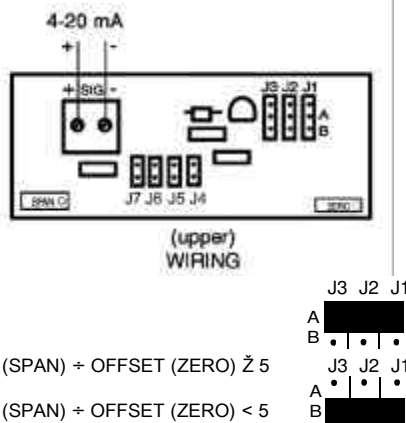*Note: Pins 2 & 4 should be tied together for proper operation

PANEL CUTOUT FOR SNAP IN MOUNTING

OPTIONAL MOUNTING BRACKET WITH GASKET FOR NEMA 4 MOUNTING

MOUNTING BRACKET OUTLINE

REAR VIEW

Inches / mm

NOTES:
1. Panel thickness is: 0.032"/0.81mm to 0.25"/6.35mm
2. Gasket supplied is: 0.075"/1.9mm thick

4 - 20mA Wiring

DK807

DK757B, DK857A, DK857B, DK957A, DK957B

1. DECIMAL SELECTION:

1999
199.9
19.99
1.999

J6 J5 J4

4-20 mA

(upper) WIRING

2. J1, J2, J3 SELECTION:

IF: OFFSET (ZERO) IS • 0 *or*
OFFSET (ZERO) > 0 *and* GAIN (SPAN) ÷ OFFSET (ZERO) Ž 5

IF: OFFSET (ZERO) > 0 *and* GAIN (SPAN) ÷ OFFSET (ZERO) < 5

J3 J2 J1
A
B
J3 J2 J1
A
B

MA TRANSDUCER

LOOP POWER SUPPLY

24VDC POWER SUPPLY

Note: 24 Vdc power supply must be isolated from loop supply for LED operation.