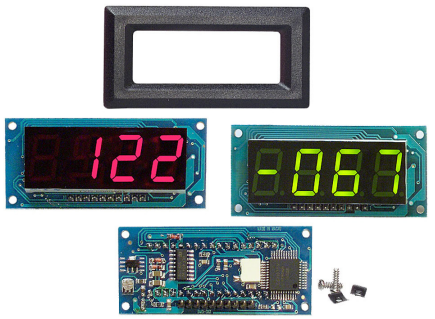
C-TON Industries

DK600

Specifications Installation and Operating Instructions

LED Digital Panel Meters

3½ Digit LED Display for voltage inputs



FEATURES

- Display hold function standard
- 3½ digits with 0.56" RED or GREEN LED
- Window mount with optional bezel
- User-selectable decimal points
- Optional NEMA case (see DK610 for details)

SPECIFICATIONS

DISPLAY

Digits:	3 ½ (±1999 count)
Type:	7- segment LED (red or green)
Digit Height:	.56 in (14.2 mm)
Polarity Indication:	automatic "-" for neg input
Decimal Point:	3 position selectable
Overrange:	three lower order digits blank for inputs >1999 & < -1999

SIGNAL INPUTS

Configuration:	bipolar, differential
Full-Scale Input:	±200 mV, ±2 V, ±20 V
Input Offset Adjustment:	auto zero
Input Impedance:	>100 MΩ (±200 mV),-1 MΩ (other ranges)
Common Mode Range:	±1 VDC
Common Mode Rejection:	>86 dB
Protection:	±350 VDC (±100 VDC for 200 mV range)
Input Bias Current:	1 pA typical, 100 pA max
Control Inputs:	decimal point select, hold, span adjust trimpot

PERFORMANCE

Sampling Rate:	3.3 readings / s
Accuracy:	± (0.1% + 2 counts) typical ±(0.2% + 2 counts) max
Warmup, typical:	10 min
Temperature Drift, typical:	100 ppm / °C

POWER SUPPLY

Supply Voltage:	+5 VDC ±5%
Supply Current, typical:	200 mA

ENVIRONMENT

Operating Temperature:	0 to 50°C
Storage Temperature:	-10 to 60°C
Relative Humidity:	0 to 95% non-condensing

PHYSICAL

Package Style:	window mount
Dimensions:	2.52 x 1.10 x .73
Panel Cutout:	2.05 x .81
Weight:	0.7 oz (20 g)
Connector:	J1C-10 or C10-5 optional
Bezel:	optional

CONNECTION:

10 pin

ORDERING INFO

PART NUMBER	METER COLOR	METER POWER
DK601	GREEN	200mV DC
DK602	GREEN	2VDC
DK603	GREEN	20VDC
DK604	RED	200mV DC
DK605	RED	2V DC
DK606	RED	20V DC
DK610	NEMA Enclosure	

ACCESSORIES

LED-B	Optional Bezel Mounting Kit
C10-5	5" - 10 Pin Connector / Wire Assembly
J1C10	12" - 10 Pin Connector / Wire Assembly
PW2-5	Regulated 120V AC to 5V DC Power Supply
CVC	Calibrator

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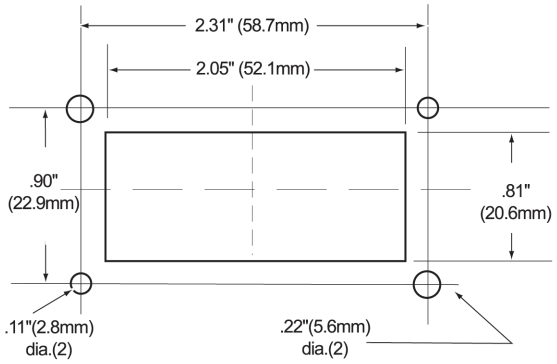
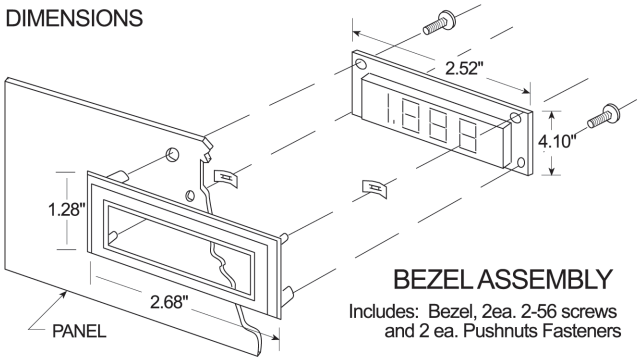
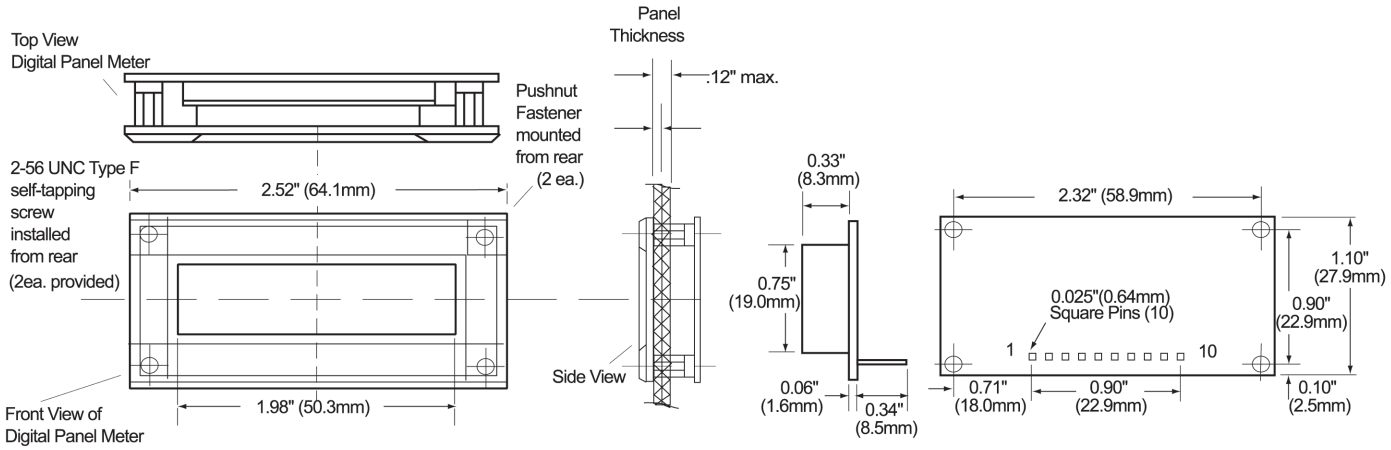
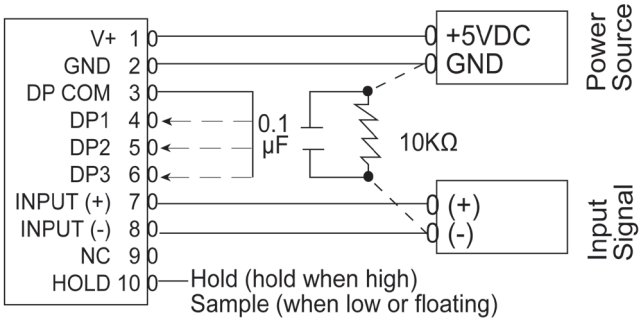
DIMENSIONS







WIRING

PIN #	PIN NAME	DESCRIPTION
1	V+	+5V POWER SUPPLY
2	GND	POWER SUPPLY GROUND
3	DP COM	DECIMAL POINT RETURN
4	DP1	1XX.X (CONNECT TO DP COM TO TURN ON)
5	DP2	1X.XX (CONNECT TO DP COM TO TURN ON)
6	DP3	1.XXX (CONNECT TO DP COM TO TURN ON)
7	INPUT(+)	POSITIVE INPUT SIGNAL
8	INPUT(-)	NEGATIVE INPUT SIGNAL
9	NC	NO CONNECTION REQUIRED
10	HOLD	HOLD LAST DISPLAY