PANEL MOUNTS FOR IR & VISIBLE LED DEVICES

U.S. & Foreign Patents Issued and Pending

VERSATILITY
CLIPMOUNT ® LED mounts provide a method of displaying PCB or panel mounted LEDs on a display panel. These mounts are available in either black or clear allowing an LED viewing angle of up to 180 degrees. Mounts are available for both 3mm and 5mm LEDs.

BRIGHTNESS
CLIPMOUNT ® LED mounts provide direct viewing of the LED. Mono and multicolor LEDs as well as infrared and photo-detection devices can be mounted in this manner. This design also permits use of either diffused or nondiffused LEDs.

APPLICATION
CLIPMOUNT ® mounts permit the panel display of a PCB mounted LED without its physical attachment to the front panel. This mount enables the use of interconnects between display panels and circuit boards.
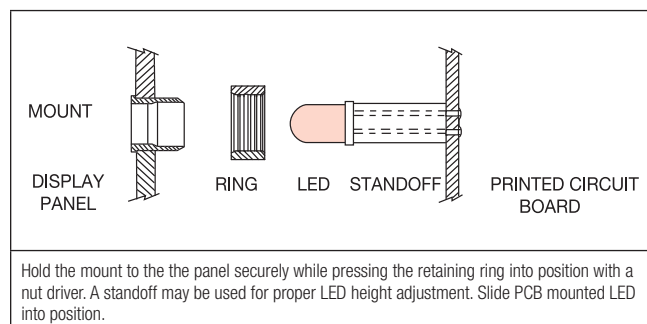
INSTALLATION
CLIPMOUNT ® LED mounts are easily installed for PCB mounted LEDs. Simply slide mount through a 9/32˝ panel hole and press retaining ring into place. The LED is now able to slide in and out of mount without its physical attachment to front panel. For interconnect applications, hold mount tightly to panel with a nut driver and press connector with LED on from rear.

SPECIFICATIONS

MATERIAL	Mount - Polycarbonate; (black - clear) Ring - Polypropylene (black) (U.L. Listed Material)
DESIGN	Permits LED to slide into mount without restriction. Tip of LED is exposed while mount provides contrast on front of display panel.
MOUNTING	Mounts through front of panel. Retaining ring secures mount when used with PCB mounted LED. With interconnect cable, mount is secured by use of an LED connector. 3mm (SMC 130) mounts in a .171˝ (4.34mm) hole on 1/4˝ centers. Panel thickness 1/32˝ to 1/16˝. 5mm (CMC 285) mounts in a .281˝ (7.14mm) hole on 3/8˝ centers. Panel thickness 1/32˝ to 1/8˝. See specs. page 19 for use with CNX connectors.
SOCKET	3mm .130˝ OD trim leads from base of LED to a length of .400˝ (10.16mm) for all panel thicknesses. 5mm .230˝ OD trim leads from base of LED to a length of .350˝ (8.89mm) for all panel thicknesses.

PRINTED CIRCUIT BOARD ASSEMBLY

MOUNT

DISPLAY PANEL   RING   LED   STANDOFF   PRINTED CIRCUIT BOARD

Hold the mount to the the panel securely while pressing the retaining ring into position with a nut driver. A standoff may be used for proper LED height adjustment. Slide PCB mounted LED into position.

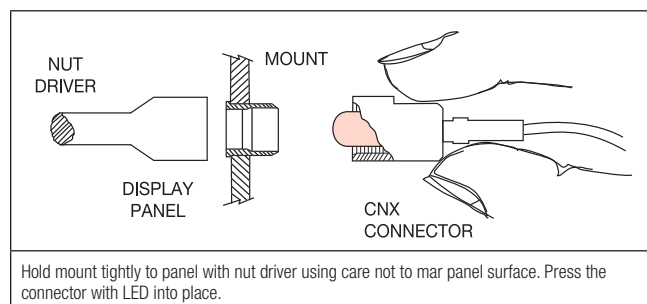## ORDERING CODES

CMC 285 BLK

MODEL
SMC 130 (3mm MOUNT)
CMC 285 (5mm MOUNT)
RNG 132 (RING)
RNG 268 (RING)

COLOR
BLK   Black
CTP   Clear

INTERCONNECT CABLE ASSEMBLY

NUT DRIVER   MOUNT

DISPLAY PANEL   CNX CONNECTOR

Hold mount tightly to panel with nut driver using care not to mar panel surface. Press the connector with LED into place.

OUTLINE DRAWING   RECOMMENDED LEDs

SMC 130 MOUNT
.19 DIA. (4.82mm)   .14 ID (3.30mm)   .17 DIA. (4.32mm)
.025 (.63mm)   .24 (6.10mm)

RNG 132
.24 DIA. (6.09mm)
.080 (2.03mm)

CMC 285 MOUNT
.30 DIA. (7.62mm)   .21 ID (5.33mm)   .28 DIA. (7.11mm)
.025 (.63mm)   .125 (3.17mm)   .285 (7.24mm)

RNG 268
.36 DIA. (9.14mm)   .27 DIA. (6.86mm)
.170 (4.20mm)

.130 DIA.   .360 ±.010
.230 DIA.   .350 ±.010
.230 DIA.   .320 ±.010
.06 MIN / .13 MAX