FLAT PANEL MONITORS

29LP104(61MP) SERIES	10.4" LCD PANEL MOUNT MONITORS

Compact Video + VGA Displays

DISPLAY

Type:	AM p-Si Colour TFT
No. Colours:	256k
Max. Resolution:	640 x 480 pixels
Active Display Area:	211.2 x 158.4 mm
Display Protection:	Acrylic (non-coated)
Backlight:	Dual Edge CFL x 2
Backlight Life:	50,000 hours typical
Brightness:	400cd/m^2 typical
Contrast Ratio:	250:1
Viewing Angles:	110° H , 90° V

SIGNAL INPUTS

Input A:

RGB:	Analog RGB 0.7-1.0Vp-p
Input Connector:	15-pin HD Female
Sync. Type/Level:	Separate H&V (+/-ve) TTL

Input B:

Video:	PAL or NTSC standard
Input Connector:	RCA
Sync. Type/Level:	Composite (CVBS) 1Vp-p
Resolution:	640 x 480 VGA
Horizontal Scan:	15kHz (PAL) - 38kHz.
Vertical Scan:	50 - 70Hz.
User Controls:	None
Set Up Controls:	(At rear) Autosetup + full OSD menu via pushbuttons

POWER INPUTS

AC Model:	External AC/DC Power Pack 110/230Vac 50/60Hz
Input Connector:	2.1mm
Power Consumption	20W typical

PHYSICAL / ENVIRONMENTAL

Dimensions (approx):	336 x 250 x 55 mm
Panel fixings:	Threaded inserts
Weight (approx):	2.9kg approx.
Housing:	Painted Steel
Operating Temp:	0 to 50^{0}C
Storage Temp:	-20 to 60^{0}C

PART NUMBERS

Standard Model:	29LP104A61MP
Touchscreen Model: (Resistive)	29LP104AR61MP

- **High Brightness & Long Life TFT Panel**
- **VGA (640 x 480 pixels) resolution**
- **PAL/NTSC composite input as standard**
- **Front Panel Seal to IP65**
- **Resistive Touchscreen option**
- **Provision for remote OSD controls**
- **RAL7032 Front Panel (or custom colours)**
- **A *No Frills* Industrial Design Concept**

The **29LP104(61MP)** Series of LCD Panel Mount monitors has been designed for the OEM / System Builder who must integrate a compact VGA or PAL/NTSC colour display into limited space on a panel or bulkhead.

A strong metal chassis encloses all signal and backlight electronics. A separate AC power pack can be attached to the rear of the chassis or located elsewhere behind the panel. The A/D board has been designed for both PC and Video signals and automatically set a crisp display. Controls for fine tuning, brightness & contrast are located at the rear of the monitor. Once set, no further adjustments should be required, and the last setting is stored in memory. A socket is provided at the rear for remote brightness/contrast controls, if required.

The chassis is securely fixed to a 3mm thick steel front panel and an acrylic plate provides protection to the TFT glass and sealing to IP65 (~ NEMA 12). A compressible gasket around the perimeter of the panel provides IP65/NEMA sealing of the panel/bulkhead interface. Bulkhead fixing is by means of threaded inserts at the rear of the panel.
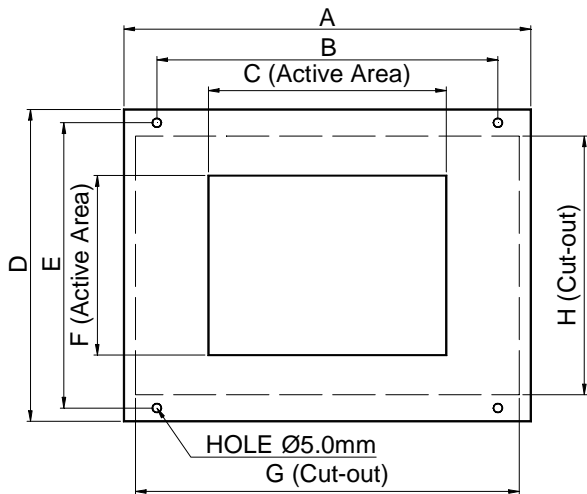
MONITORS & DISPLAY MODULES

INTELLIGENT DISPLAY SOLUTIONS

KME

29LP SERIES   PANEL MOUNT TFT MONITORS

FRONT VIEW 6.5" & 8.4"

FRONT VIEW 10.4"

PICTURE CONTROLS

POWER INPUT
SIGNAL INPUT
OPTIONAL TOUCH SCREEN
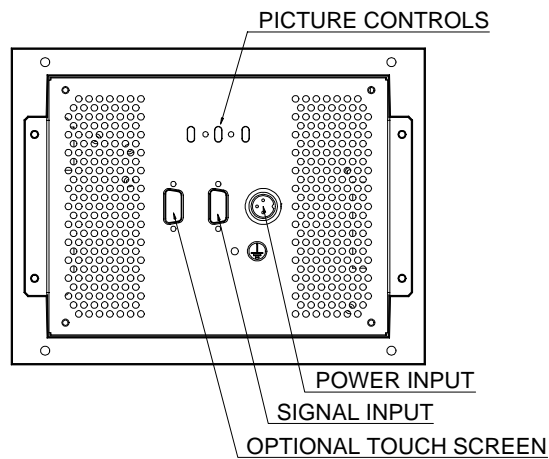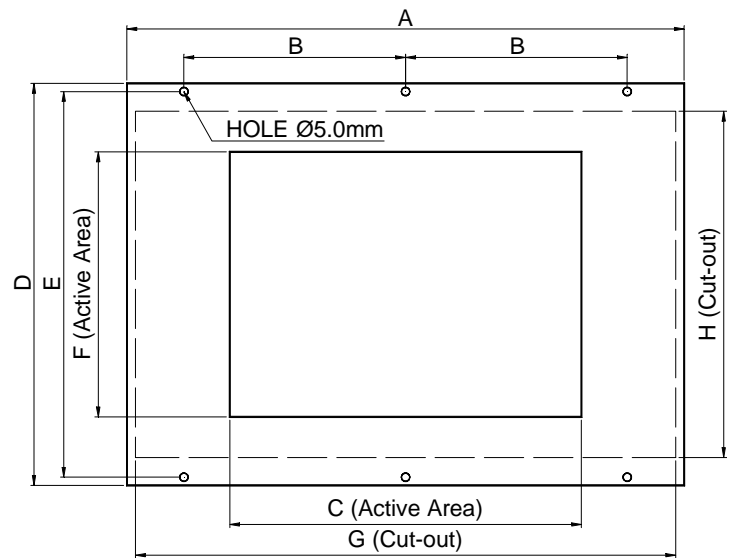
REAR VIEW (6.5" & 8.4")
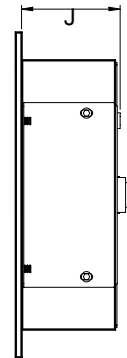
SIDE VIEW (6.5" & 8.4")

Dimensions (mm)	PANEL SIZE		
	6.5"	**8.4"**	**10.4"**
A	235	260	336
B	215	240	158
C	132.5	170.6	211.2
D	176	195	250
E	160	178	230
F	99.4	127.8	158.4
G	217 ± 1.5	242 ± 1.5	318 ± 1.5
H	146 ± 1.5	164 ± 1.5	212 ± 1.5
J	55 Max	60 Max	55 Max

Design Notes:
Panel Colours are RAL 7032.
Panel Metal Thickness is 3mm

(Not to Scale)

29LP0610-02   06/2000