

FLAT PANEL MONITORS

29LP065(31M) SERIES

6.5" LCD PANEL MOUNT MONITORS

Compact VGA Displays

DISPLAY

Type:	AM Colour TFT
No. Colours:	256k
Resolution:	640 x 480 pixels
Display Area:	132 x 99mm
Backlight:	Dual Edge CFL x 2
Backlight Life:	25,000 hours typical
Brightness:	200cd/m <sup>2</sup>
Viewing Angles:	50° Left , 50° Right 35° Up , 45° Down
Contrast Ratio:	150:1

SIGNAL INPUTS

MONITOR.

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

Resolution:	640 x 480 pixels
Horizontal Scan:	30 - 36.7kHz
Vertical Scan:	59 - 72Hz
Clock Rate:	28.5MHz

TOUCHSCREEN.

	(Light output reduced)
Type:	AccuTouch Resistive
Input Connector:	9-pin HD Female

CONTROLS

Installation:	Pushbuttons at rear controlling OSD
OSD Functions:	Frequency, Clock, Phase,H & V Centering, Brightness.
Setting Memory:	EEPROM

POWER

Supply Volts:	9 – 30Vdc
Consumption:	15W max.
Input Connector:	3-pin DIN

PHYSICAL/ENVIRONMENTAL

Dimensions (approx)	235 x 176 x 55 mm
Panel Fixings:	Threaded Inserts
Weight (approx):	1.5kg. approx
Housing:	Painted steel
Operating Temp:	0 to 50 <sup>0</sup> C
Storage Temp:	-20 to 60 <sup>0</sup> C
EMC:	CE Marked

PART NUMBERS

Standard Model:	29LP065D31M
Touchscreen Model:	29LP065DR31M



- **High Brightness & Long Life TFT Panel**
- **Fully VGA ( 640 x 480 pixels ) compatible - no separate graphics boards required**
- **Metal cased construction for maximum durability and good EMC**
- **9-30Vdc (unregulated) operation at low power**
- **Resistive Touchscreen option**
- **Rear Exiting Connections for tight-space mounting**
- **CE Marked**

The **29LP065M** Series of LCD monitors has been designed for the OEM / System Builder who must integrate a compact VGA colour display into limited space.

A strong metal chassis encloses all signal and power electronics. An integral DC-DC converter allows a wide range of D.C. inputs. The A/D board has been designed to accept a wide range of signal timings around the VGA standard, 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 a laminated glass plate provides protection to the TFT panel and sealing to IP65 (~ NEMA 12). (The glass plate is not used in the case of Resistive Touchscreens). 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.

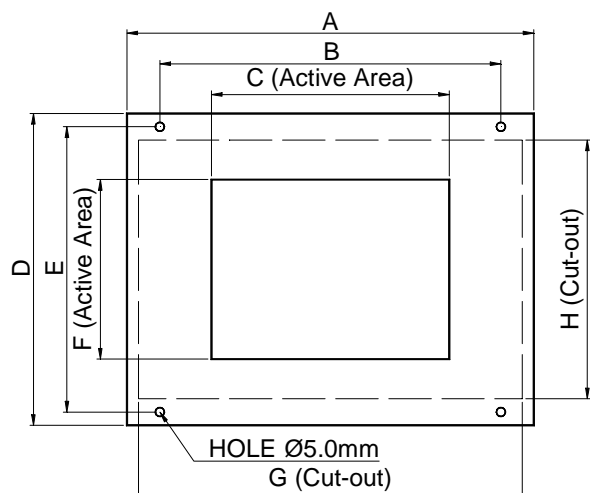
Due to a policy of continuous product development KME reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged. 29lp065(31m)1 09/2004



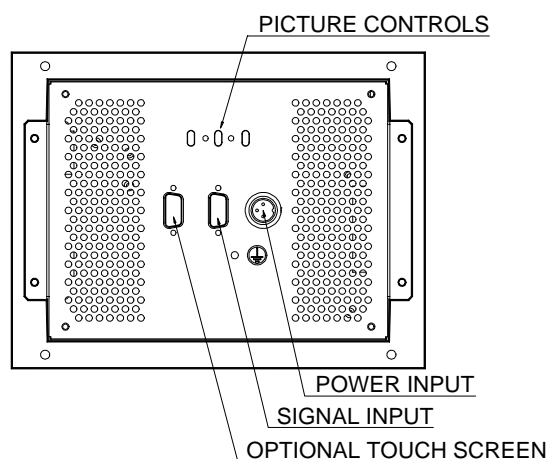
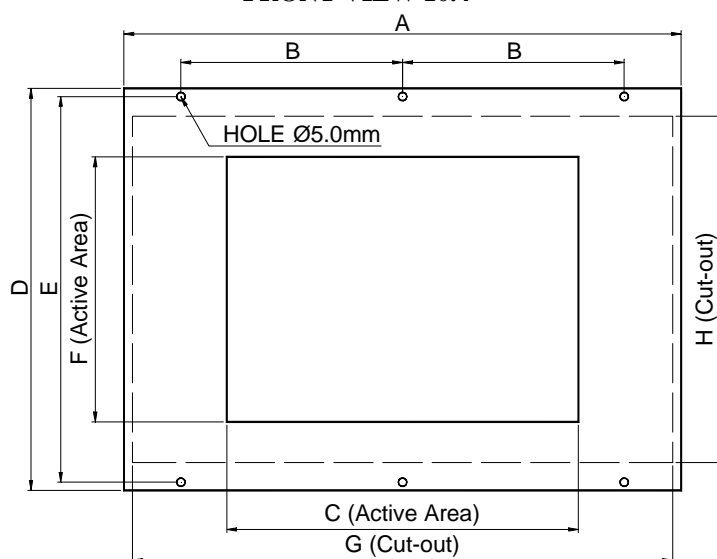
## 29LP SERIES

## PANEL MOUNT TFT MONITORS

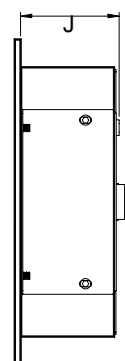
FRONT VIEW 6.5" & 8.4"



FRONT VIEW 10.4"



REAR VIEW (6.5" & 8.4")



SIDE VIEW (6.5" & 8.4")

	PANEL SIZE		
Dimensions (mm)	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)

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**Kent Modular Electronics Limited**  
 611 Maidstone Road, Rochester, Kent ME1 3QL, UK  
 Tel: +44 (0) 1634 830123 Fax: +44 (0) 1634 830619  
 E-mail: [sales@kme.co.uk](mailto:sales@kme.co.uk) URL: <http://www.kme.co.uk>