

## 18.0" Daylight Signature Display

### Electrical Description

#### Display Characteristics:

Type: 18.0" Active Matrix TFT  
Dot Number: 1280 x 1024 Pixels  
Dot Pitch: 0.2805mm  
Response Time: 25ms Average- Typical  
Contrast Ratio: 400:1 Min.  
Brightness / Light Intensity: Enhanced to 400cd/m<sup>2</sup> (Nits)- Typical  
Viewing Angles (at CR>10): 85° Left/Right, 85° Up & 85° Down  
Backlight Life: 50,000 Hours- Typical  
Colour Depth: 16.7 Million (Depending on Graphics Card)

#### Dimming Circuit:

Range: Full Brightness to Red (VGA Only)

#### DVI-D Input:

Digital Interface: DVI 1.0 Compatible Interface  
85Hz Operation

#### Analog RGB Input:

Analog Interface: 85 Hz Maximum Analog Bandwidth  
0.5V to 1.0V Analog Input Range  
Sync-on-Green (-ve) 0.3V

#### Synchronisation Range:

Horizontal Scan: 331.469-79.976 kHz\*  
Vertical Scan: 56-87 Hz\*

*\*Depending on resolution*

#### Resolutions:

VESA Support for: 1600 x 1200 UXGA  
1280 x 1024 SXGA\*  
1024 x 768 XGA  
800 x 600 SVGA  
640 x 480 VGA

*\*Recommended for optimised resolution*

#### Active Display Area:

Active Display Area: 357.58 mm x 286.54 mm

#### Composite Video Input:

PAL, NTSC & SECAM with  
'Picture In Picture' PIP facility

#### Input Voltage:

DC Input: 12.1V DC Regulated  
*Via external power supply - Refer to ordering codes...*

#### Power Consumption:

3.0 A (38 W) Max.

#### Environmental:

\*Operating Temp: 32 to +131°F / 0 to +55°C  
Storage Temp: -4 to +140°F / -20 to +61 °C  
Operating Humidity: 30% to 90% (Non-Condensing)  
Storage Humidity: 10% to 90% (Non-Condensing)  
Shock: 10g, 11msec ½ Sine Wave  
Vibration: +/-1mm, 2 to 13Hz:0.7g 13 to 100Hz

*\*We DO NOT recommend routine operation @ extreme temperatures.*

### Mechanical Description

#### Construction:

Finish: Black Fine Textured Semi Gloss  
Powder Coat  
Housing: Preformed Aluminium  
Sealing: Waterproof NEMA 6 / IP67  
Toughened Safety Glass : Bonded, Contrast Enhancing,  
Optically Coated and Polarized  
Ventilation: Convection

#### Mounting Style:

Surface (mm): Surface Mounted with 2 11/64" (55.17)  
Protruding and Fastened with 4  
Mounting Studs  
Panel Cut-Out Size (mm): 15 3/4" (400.05) x 12 9/16" (319.09)

#### Dimensions:

17 9/16" (446.09) W x  
Display (mm): 13 31/32" (354.81) H x  
4 11/16" (119.06) D

#### Weight:

Weight (kg): 21 lbs (9.5)

#### Input Connectors: (rated @ NEMA 6 / IP67)

RGB Signal: 15 Pin Male Connector\*  
DVI Signal: DVI-D Male Connector\*  
Composite Signal: RCA Male Jack\*  
Power: 16 Gauge Black/Red Wire\*

*\*Connections listed are ends on 10' (3 Meter) pass thru cables permanently connected to display.*

#### Menu Controls:

Via Front Mounted Buttons: OSD Picture Features:  
Size, Position, Colour & PIP

### Approvals / Warranty

**Compliance:** CE:IEC60945/1/ CISPR22 / EN  
55022 FCC Part 15 Section  
15.109

**Limited Warranty:** 3 Year

### Ordering Codes

#### Configuration:

18.0" Daylight Display: 19-1810  
*Please select external power supply from list below...*

#### External Power Supply:

External 115/230V: 00-0301  
External 12V DC: 00-0302  
External 24V DC: 00-0303

#### Shipping:

Carton Size (cm): 23" (58) W x 22" (56) H x 11" (28) D  
Weight (kg): 34 lbs (15.5)

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