

# INDUSTRIAL DISPLAYS

**eVECO**  
Green approach. We care.

**eTEC**  
CONRAC Technology  
Makes your display last longer.

**Innovation. Experience. Flexibility. Quality.**

# INDUSTRIAL DISPLAYS

CONRAC's comprehensive range of Industrial Displays has been specially designed for demanding industrial applications. Based on decades of experience in display technologies, CONRAC has developed a special product line guaranteeing maximum reliability and durability, thus contributing to a reduced cost of ownership.

## Applications

- Traffic management
- Process control
- Power plant control systems
- Test & Measurement
- Machine tools & industrial robotics
- Automation & transportation
- Simulation



6015 ID

## Features & Advantages of CONRAC's Industrial Displays

- Designed for 24/7/365 operation
- Compliant with the relevant safety standards
- Robust fire-retardant housings
- VESA compatibility simplifies quick & easy mounting
- Long-term availability of components
- Integrated high efficiency power supplies



6019 ID

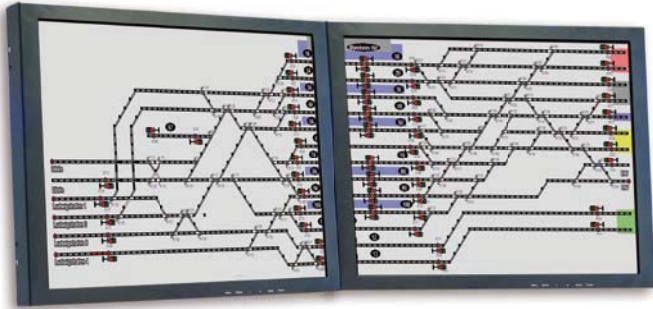
## INDUSTRIAL DISPLAYS - LCD/TFT

Diagonal Model	15" / 38cm 6015 ID	19" / 48cm 6019 ID
<b>Display</b>		
Active screen dimensions (horizontal x vertical):	304 x 228 mm	376 x 301mm
Resolution (pixel) / Format:	1024 x 768 / 4:3	1280 x 1024 / 5:4
Brightness (typical):	250 cd/ m <sup>2</sup>	300 cd/m <sup>2</sup>
Contrast ratio (typical):	400:1	900:1
Number of colours:	262.144	16.7 Mio
Viewing angle (horizontal and vertical):	± 60° horizontal, 40° up, 60° down	± 85°
Backlight:	CCFL	CCFL
<b>Interface Board</b>		
Frequency (Horizontal/Vertical):	31.5 – 60 kHz / 56-75 Hz	30 – 85 kHz / 50 – 85 Hz
Synchronization:	Separate H- and V-Sync	Sync on green, composite sync with auto
Inputs:		
PC analog:	•	•
PC digital:	•	•
CVBS:	○	•
S-Video:	•	•
RS232:	•	•
Controls:		
Keys:	External keypad and on screen display	•
Serial Interface:	•	•
PiP (Picture-in-Picture):	○	•
<b>Environmental Conditions</b>		
Temperature (operating / non-operating):	0°C to + 50°C / -20°C to + 60°C	0°C to + 50°C / -20°C to + 60°C
<b>Power</b>		
Power supply:	115 / 230 V ± 10%, automatic selection (external) and 12 V DC	84 – 264V AC
Power consumption:	35W, 2.5W in stand-by mode	< 70 W
<b>Approvals</b>		
EMI/EMC:	EN55022 class A, EN55024	EN55022 class A, EN55024
Safety:	CE	EN60950, CE
<b>Supplied Accessories</b>		
Video cable:	•	•
Power cable , operating manual (D/E):	•	•
<b>Versions</b>		
Rack:	•	•
<b>Dimensions (H x W x D)</b>		
Rack version:	310.3 x 483 x 57 mm	400 x 483 x 98 mm
<b>Colour</b>		
Standard colour front panel:	RAL 7035	RAL 9005
<b>Options*</b>		
* Please note: Not all options may be combined.		
DVI cable:	•	•
Customised colour:	•	•
24V DC power supply operating from 18V to 32V:	○	•
Customised solutions:	•	•

## Displays for Safety Relevant Applications

CONRAC's range of framebufferless displays meets the compulsory requirements of safety-relevant applications such as ATC, railway control, etc. All displays feature advanced performance characteristics and exceptional mechanical construction combined with a modern slim bezel design.

Framebufferless versions avoid frozen images in IECC applications:



6019 ID Frame bufferless



6022 ID Framebufferless

### INDUSTRIAL DISPLAYS - Framebufferless - LCD/TFT

Diagonal Model	19" / 48cm 6019 ID	22" / 56cm 6022 ID Widescreen	26" / 66cm 6026 ID Widescreen
<b>Display</b>			
Active screen dimensions (hor. x vert.):	376 x 301 mm	474 x 296 mm	550 x 343.8 mm
Resolution (pixel) / Format:	1280 x 1024 / 5:4	1680 x 1050 / 16:10	1920 x 1200 / 16:10
Brightness (typical)	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast ratio (typical):	900:1	1000:1	800:1
Number of colours:	16.7 Mio	16.7 Mio	16.7 Mio
Viewing angle (horizontal and vertical):	±85°	±89°	±89°
Backlight:	CCFL	CCFL	CCFL
<b>Interface Board</b>			
Frequency:	EDID according detailed timing block, auto plug & play		
Inputs:	PC analog / digital: 15pin HD-Sub / DVI		
Controls:	Keys		
<b>Environmental Conditions</b>			
Temperature (operating / non-operating):	0°C to +50°C / -20°C to +60°C	0°C to +50°C / -20°C to +60°C	0°C to +45°C / -20°C to +60°C
<b>Power</b>			
Power supply:	100 to 240 V AC, 50 Hz to 60 Hz ±10%		
Power consumption:	< 45 W	< 60 W	< 150 W
<b>Approvals</b>			
Safety / EMI/EMC:	Complies with EN60950-1, CE		
Noise Emission:	Complies with EN55022 Class A		
EMC Immunity:	Complies with EN55024		
Harmonics:	Complies with EN61000-3-2		
Voltage fluctuation and Flicker:	Complies with EN61000-3-3		
<b>Supplied Accessories</b>			
Power cable , operating manual (D/E):	•	•	•
<b>Versions</b>			
Cabinet:	•	•	•
<b>Dimensions (H x W x D)</b>			
Cabinet version:	340 x 422 x 88.7 mm	331 x 505 x 96 mm	387 x 593.6 x 120 mm
<b>Colour</b>			
Standard colour cabinet/front panel:	RAL 9005	RAL 9005	RAL 9005
<b>Options*</b>			
DC power supply, table stand, front glass, customised solutions (e.g. branding, pre-settings, etc.), touch			* Please note: Not all options may be combined.

• yes    ◦ no



CONRAC Technology

Makes your displays last longer.



Ambient Light Control



Black and White Expansion



Innovative Cooling System



Dynamic Contrast Control



Dynamic Noise Control



Display Performance Monitoring



Dynamic Pixel Refreshing



Eco-friendly products



Life Time Expansion



Pixel Shifting



Soft Picture Mode



Temperature Control System



True Movie Mode

## Developed / Designed / Made in Germany

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*Specification subject to change without  
prior notice.*

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