



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" 6015 ID	19" 6019 ID
Display		
Size / diagonal:	15" / 38 cm	19" / 48 cm
Active screen dimensions (horizontal x vertical):	304 x 228 mm	376 x 301 mm
Resolution (pixel) / Format:	1024 x 768 / 4:3	1280 x 1024 / 5:4
Brightness (typical):	250 cd/ m ²	300 cd/m ²
Contrast ratio (typical):	400:1 typical	900:1
Number of colours:	262.144 colours	16.7 Mio
Viewing angle (horizontal and vertical):	± 60° horizontal, 40° up, 60° down	± 85°
Backlight:	CCFL	CCFL
Interface Board		
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 menu	●
Serial Interface:	●	●
PiP:	○	●
Environmental Conditions		
Temperature (operating / non-operating):	0°C - + 50°C / -20°C - + 60°C	0°C - + 50°C / -20°C - + 60°C
Power		
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
Approvals		
EMI/EMC:	EN55022 class A, EN55024	EN55022 class A, EN55024
Safety:	CE	EN60950, CE
Supplied Accessories		
Video cable:	●	●
Power cable , operating manual (D/E):	●	●
Versions		
Rack:	●	●
Dimensions (H x W x D)		
Rack version:	310.3 x 483 x 57 mm	400 x 483 x 98 mm
Colour		
Standard colour front panel:	RAL 7035	RAL 9005
Options*		
DVI cable:	●	●
Customised colour:	●	●
24V DC power supply operating from 18V to 32V:	○	●
Customised solutions:	●	●

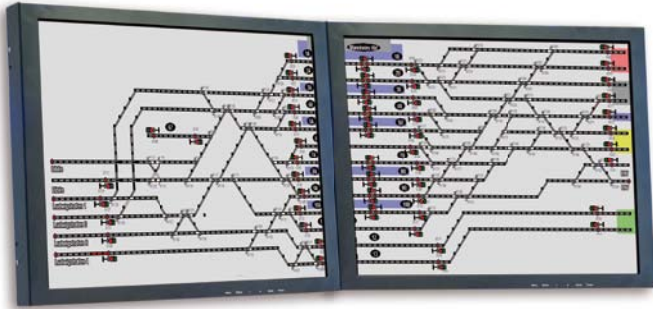
* Please note: Not all options may be combined.

● yes ○ no

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 pictures in IECC applications:



6019 ID Frame bufferless



6022 ID Frame bufferless

INDUSTRIAL DISPLAYS - Frame bufferless - LCD/TFT

Diagonal Model	19" 6019 ID	22" 6022 ID Widescreen	26" 6026 ID Widescreen
Display			
Size / diagonal:	19" / 48 cm	22" / 56 cm	26" / 66 cm
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 / 4:3	1680 x 1050 / 16:10	1920 x 1200 / 16:10
Brightness (typical)	300 cd/m ²	300 cd/m ²	500 cd/m ²
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
Interface Board			
Frequency:	EDID according detailed timing block, auto plug & play		
Inputs:	PC analog / digital: 15pin HD-Sub / DVI		
Controls:	Keys		
Environmental Conditions			
Temperature (operating / non-operating):	0°C to +50°C / -20°C to +60°C	0°C - +50°C / -20°C - +60°C	0°C to +45°C / -20°C to +60°C
Power			
Power supply:	100 to 240 V AC, 50 Hz to 60 Hz +10%		
Power consumption:	< 45 W	< 60 W	< 150 W
Approvals			
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		
Supplied Accessories			
Power cable , operating manual (D/E):	•	•	•
Versions			
Cabinet:	•	•	•
Dimensions (H x W x D)			
Cabinet version:	340 x 422 x 88.7 mm	331 x 505 x 96 mm	387 x 593.6 x 120 mm
Colour			
Standard colour cabinet/front panel:	RAL 9005	RAL 9005	RAL 9005
Options*			
DC power supply, table stand, front glass, customised solutions (e.g. branding, pre-settings, etc.)			* Please note: Not all options may be combined.

• yes ○ no



eVTEC
CONRAC Technology

Makes your displays last longer.

eVALC
Ambient Light Control

eVBWE
Black and White Expansion

eVCOOL
Innovative Cooling System

eVDCC
Dynamic Contrast Control

eVDNC
Dynamic Noise Control

eVDPM
Display Performance Monitoring

eVDPR
Dynamic Pixel Refreshing

eVECO
Eco-friendly products

eVLTE
Life Time Expansion

eVPXS
Pixel Shifting

eVSPM
Soft Picture Mode

eVTCS
Temperature Control System

eVTMM
True Movie Mode

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