

INDUSTRIAL DISPLAYS


Green approach. We care.


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

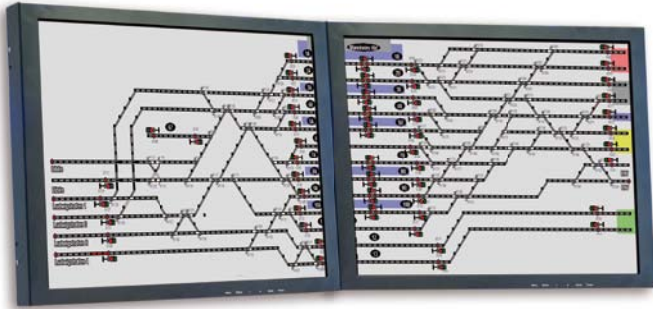
Diagonal Model	15" / 38cm 6015 ID	19" / 48cm 6019 ID	
Display			
Active screen dimensions (horizontal x vertical):	304 x 228 mm	376 x 301mm	
Resolution (pixel) / Format:	1024 x 768 / 4:3	1280 x 1024 / 5:4	
Brightness (typical):	250 cd/ m ²	300 cd/m ²	
Contrast ratio (typical):	400:1	900:1	
Number of colours:	262.144	16.7 Mio	
Viewing angle (horizontal and vertical):	± 60° horizontal, 40° up, 60° down	± 85°	
Backlight:	CCFL	CCFL	
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 display	•	
Serial Interface:	•	•	
PiP (Picture-in-Picture):	○	•	
Environmental Conditions			
Temperature (operating / non-operating):	0°C to + 50°C / -20°C to + 60°C	0°C to + 50°C / -20°C to + 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.

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
Display			
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 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 to +50°C / -20°C to +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.), touch			* 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

Developed / Designed / Made in Germany

Head office & production:

CONRAC GmbH
Lindenstrasse 8 - D-97990 Weikersheim
Germany
Tel.: +49-7934-101 0
Fax: +49-7934-101 101
E-mail: info@conrac.de
Internet: www.conrac.de

*Specification subject to change without
prior notice.
GM flyer_id_9-0076_e_rev01*

Subsidiaries & Sales Offices:

CONRAC France - Paris
E-mail: info@conracfrance.fr
www.conrac.fr
Tel.: +33 (0)3-44 54 96 99

CONRAC Asia - Singapore
E-mail: sales@conrac-asia.com
www.conrac-asia.com
Tel.: +65-67 42 79 88

CONRAC MENA FZE - Dubai
E-mail: info@conrac.ae
www.conrac.ae
Tel.: +971-4 29 94 009

CONRAC South Africa - Johannesburg
E-Mail: info@conrac.co.za
www.conrac.co.za
Tel.: +27-83-635 0369

CONRAC Latin America - Bogota
E-Mail: info@conrac.com.co
www.conrac.com.co
Tel./Fax: +57-1-34 65 338

**CONRAC Sales Office
Southern Europe - Rome**
E-mail: info@conrac.it
www.conrac.it
Tel.: +39 06-45 43 92 02

**CONRAC Sales Office
Northern Europe - Helsingborg**
E-mail: info@conrac.se
www.conrac.se
Tel.: +46 42 212 939

