


## PANELMATE® POWER PRO™ 5000 TECHNICAL SPECIFICATIONS



The information you need, the control you want. The PanelMate® Power Pro™ 5000 series video control panel is packaged in an ultra-slim design that is less than 5" deep and less than half the weight of a typical 14" CRT-equipped unit. Fitted with an extra-large, 14" color TFT flat panel display, the PanelMate Power Pro 5000 is available in three different models—direct select touchscreen, traditional integrated TouchPanel™ with 5 membrane control buttons, or a split architecture TouchPanel. The split architecture model features separate TouchPanel selection keyboard and display module and its enclosure cutout is identical to earlier PanelMate I, II and III units. In addition, all PanelMate Power Pro 5000 units fit into the PanelMate Power Series 4000 and 5000 cutouts.

PanelMate Power Pro operator interface units are compatible with all major brands of PLCs and high-speed industrial communications networks such as DeviceNet™, Allen-Bradley Data Highway Plus and Modicon Modbus Plus. PanelMate Power Pro's intuitive Windows®-based software is packed with tag name management tools and ready-to-use, fill-in-the-blank templates, making configuration of the PanelMate Power Pro 5000 unit quick and easy. Advanced graphic capabilities provide high-detail, realistic representations of your machine or process, resulting in faster operator acceptance and utilization. All of which means PanelMate Power Pro gives you the easiest to learn, fastest to use, and most comprehensive operator interface product lines available in the world today.

*Powered by*  **ATS**

## Display and Electronic Specifications

### Display

- 13.8" color TFT active matrix flat panel display, 256 colors, with 8-state PowerBlink
- Resolution: 640 x 480 pixels (VGA)
- Field-replaceable backlights (2)

### Operator Entry

#### TouchPanel Models

- 5 x 3 cell TouchPanel for control selection
- 0 to 9, +, -, numeric entry keypad
- Five recessed membrane control buttons

#### Touchscreen Models

- Resistive technology for gloved hand operation
- Resolution: 256 x 256 cells
- On-screen, 5 x 3 cell control selection or direct selection
- Non-overlapping, pop-up, on-screen numeric keypad
- Five on-screen control buttons
- Glass

### Hardware

Single-piece design for easy panel-mount installation and service (split architecture model has a separate TouchPanel module)

- Epoxy powder coat paint
- Impact-resistant protective window over display

### External Connections

- Serial Ports: Two optically isolated DB9 serial ports are standard, configurable for RS232, RS422 and RS485-2 communications, 110 to 19,200 baud, permitting:
  - PLC brand-specific protocol communication
  - Communication to serial printers
- DeviceNet Option: Direct connection to DeviceNet network
- Accelerati/On™ Option: Direct connection to Allen-Bradley Data Highway™, Data Highway Plus™ and Remote I/O Link™
- Genius™ I/O Option: Direct connection to GE Fanuc Genius™ I/O network
- Modbus Plus Option: Direct connection to Modicon Modbus Plus network
- External Horn: Provides connection for available external alarm horn, 8 ohm output
- Security Keyswitch: Provides connection for user security
- Fault Relay: Provides connection for external fault annunciation
  - Type: Form C Contact
  - Rating: 2 Amps @ 28 VDC, 2 Amps @ 240 VAC

### Other

#### Power Supply

- Voltage: 24 VDC (-15%/+20%)
- Consumption: 24 Watts (28 Watts with optional communication interface module)

#### Equipment Heat Output

- 82 BTU/Hr (96 BTU/Hr with optional communication interface module)

## Environment

### Enclosure Class

- Approved for use in Type 4, 4X and 12 installations when properly mounted in a correspondingly rated enclosure

### System Ambient Temperature

- Operating: 0° C to 50° C
- Non-operating: -20° C to 70° C

### System Vibration

- Operating: 1.0G at 10 Hz to 500 Hz
- Non-operating: 1.0G at 10 Hz to 500 Hz

### Relative Humidity

- Operating: 20% to 90% non-condensing
- Non-operating: 20% to 95% non-condensing

### System Shock

- Operating: 30G
- Non-operating: 30G

### Altitude

- Operating: Sea level to 10,000 ft
- Non-operating: Sea level to 40,000 ft

### Emissions

- CISPR 22 Class A-radiated and conducted

### Immunity

- IEC 61000-4-2,3,4,5,6,8

## Dimensions/Weight

### TouchPanel

	inches	(mm)
• WIDTH:	19.00	(482.60)
• HEIGHT:	19.22	(488.19)
• DEPTH:	3.24*	(82.30)*
• WEIGHT:	23 LBS*	(10.43 KG)*

### Split Architecture, Display Module

	inches	(mm)
• WIDTH:	19.00	(482.60)
• HEIGHT:	13.96	(354.58)
• DEPTH:	3.24*	(82.30)*
• WEIGHT:	23 LBS*	(10.43 KG)*

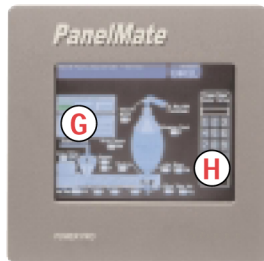
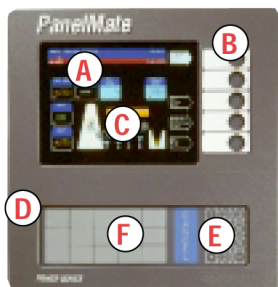
### Split Architecture, TouchPanel Module

	inches	(mm)
• WIDTH:	19.00	(482.60)
• HEIGHT:	5.22	(132.59)
• DEPTH:	.625	(15.87)
• WEIGHT:	3 LBS	(1.36 KG)

### Touchscreen

	inches	(mm)
• WIDTH:	15.00	(381.00)
• HEIGHT:	13.42	(340.87)
• DEPTH:	3.09*	(78.48)*
• WEIGHT:	16 LBS	(7.26 KG)*

\*Add 1 inch (35.4 mm) to depth and 1 LB (45 KG) to weight if using an optional communications interface module



- A** . . . . . IMPACT-RESISTANT PROTECTIVE WINDOW
- B** . . . . . MEMBRANE CONTROL BUTTONS
- C** . . . . . 14" COLOR TFT
- D** . . . . . EPOXY POWDER COAT
- E** . . . . . NUMERIC ENTRY KEYPAD
- F** . . . . . 5 X 3 CELL TOUCHPANEL
- G** . . . . . 14" COLOR TFT WITH TOUCHSCREEN
- H** . . . . . POP-UP NUMERIC ENTRYPAD
- I** . . . . . POWER INPUT
- J** . . . . . KEYSWITCH INPUT
- K** . . . . . SELECTABLE SERIAL PORT TERMINATION SWITCH
- L** . . . . . SERIAL PORTS
- M** . . . . . FAULT RELAY
- N** . . . . . EXTERNAL HORN CONNECTION



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