ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Eaton / Cutler-Hammer MM-PMC2-000* at our website: *Click HERE*

Profibus DP Slave Adapter Installation, PanelMate Power Series

The Profibus DP Slave Adapter is a product option that provides communications between a PanelMate Power Series unit and a Profibus network. Using the Profibus DP Slave Adapter, the unit can connect directly to Profibus networks without requiring any communications modules.

This Profibus DP Slave Adapter supports these Models:

- PanelMate Power Series 2000
- PanelMate Power Series 3000 (120V Models)
- PanelMate Power Series 4000
- PanelMate Power Series 5000 (120V Models)

Required Tools: Small Phillips Screwdriver (#1 or #2)

Packing List: The Profibus DP Slave Adapter is packaged and sold separately from the unit. The Profibus DP Slave Adapter option consists of:

- Profibus DP Slave Adapter interface board
- Disposable grounding wrist strap
- 6-terminal removable connector
- This instruction sheet

Caution Observe proper procedures to guard against electrostatic discharge. Use the disposable grounding wrist strap included with the option. Wrap one end of the strap around your wrist and secure with the exposed adhesive. Unroll the strap and attach it to an anti-static mat or an earth ground.

Installation Instructions

PanelMate Power Series 2000 2
PanelMate Power Series 4000 4
Completing The Installation, PanelMate Power Series 2000 & 4000 5
PanelMate Power Series 3000 & 5000 8
PanelMate Power Series Model 4200 (Split Architecture) 10
Profibus Connection Information 13

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Installation Instructions,
PanelMate Power Series 2000, Grayscale Display - Keypad

To install the Adapter, follow these steps:

1. Go to the back of the unit. Remove AC power and disconnect any other connectors.
2. Unplug the cable attached to the Monitor Housing Assembly from the Electronics Module Assembly. This cable connects power and the video signal to the monitor.

Caution Observe proper procedures to guard against electrostatic discharge. See page 1.

3. Remove the Electronics Module Assembly.
   a. Turn the inboard quarter-turn fasteners counter-clockwise.
   b. Support the weight of the assembly by holding the knurled fasteners.
   c. Gently pull the assembly towards you to disengage the front panel keypad connector.
4. Lower the assembly to clear the mounting flange (Fig. 1).

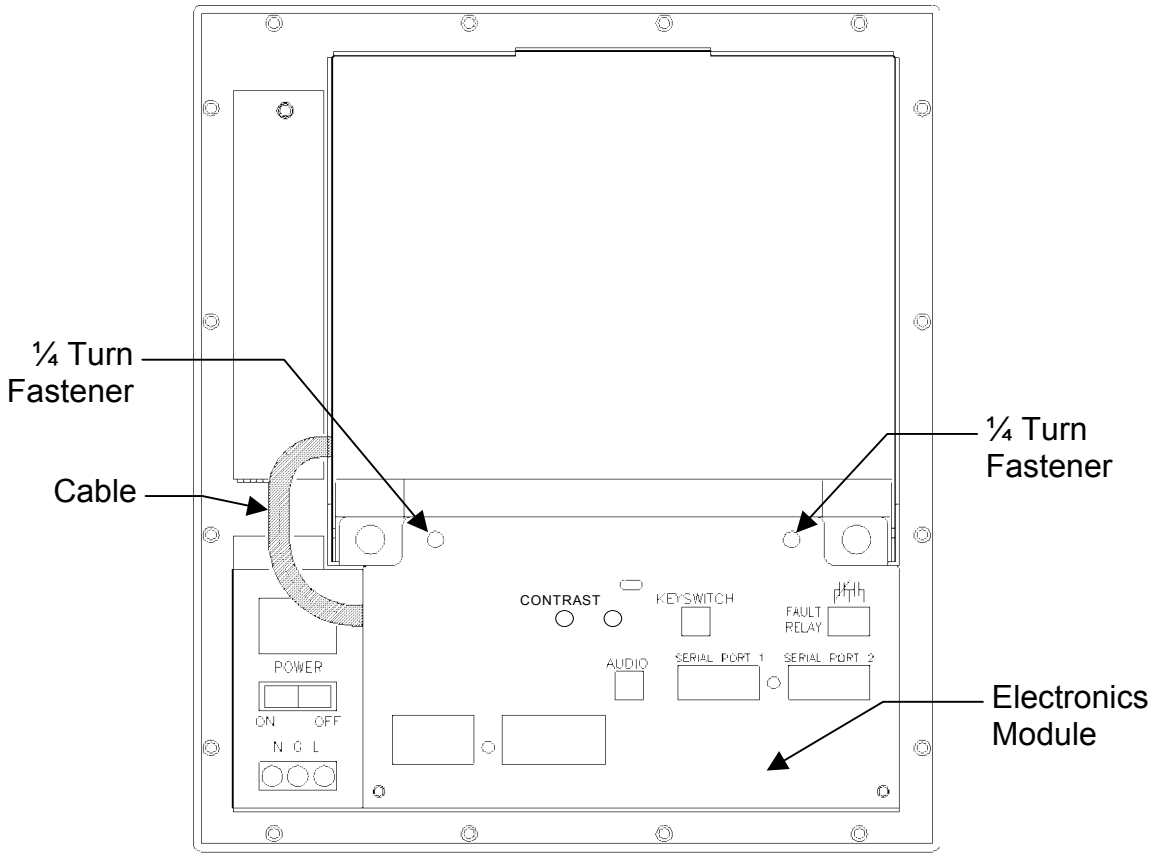


Figure 1 PanelMate Power Series 2000 (Grayscale Keypad) Rear View

5. Go to ***Completing The Installation - Models: 2000 and 4000*** (Page 5).

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Installation Instructions,
PanelMate Power Series 2000 Color Display - Keypad

To install the Adapter, follow these steps:

1. Go to the back of the unit. Remove AC power from the Monitor and Electronics Module. Disconnect any other connectors.
2. Unplug the cable attached to the Monitor Housing Assembly from the Electronics Module Assembly. This cable connects power and the video signal to the monitor.

Caution Observe proper procedures to guard against electrostatic discharge. See page 1.

3. Remove the Electronics Module Assembly.
   a. Turn the inboard quarter-turn fasteners counter-clockwise.
   b. Support the weight of the assembly by holding the knurled fasteners.
   c. Gently pull the assembly towards you to disengage the front panel keypad connector.
4. Lower the assembly to clear the mounting flange (Fig. 2).

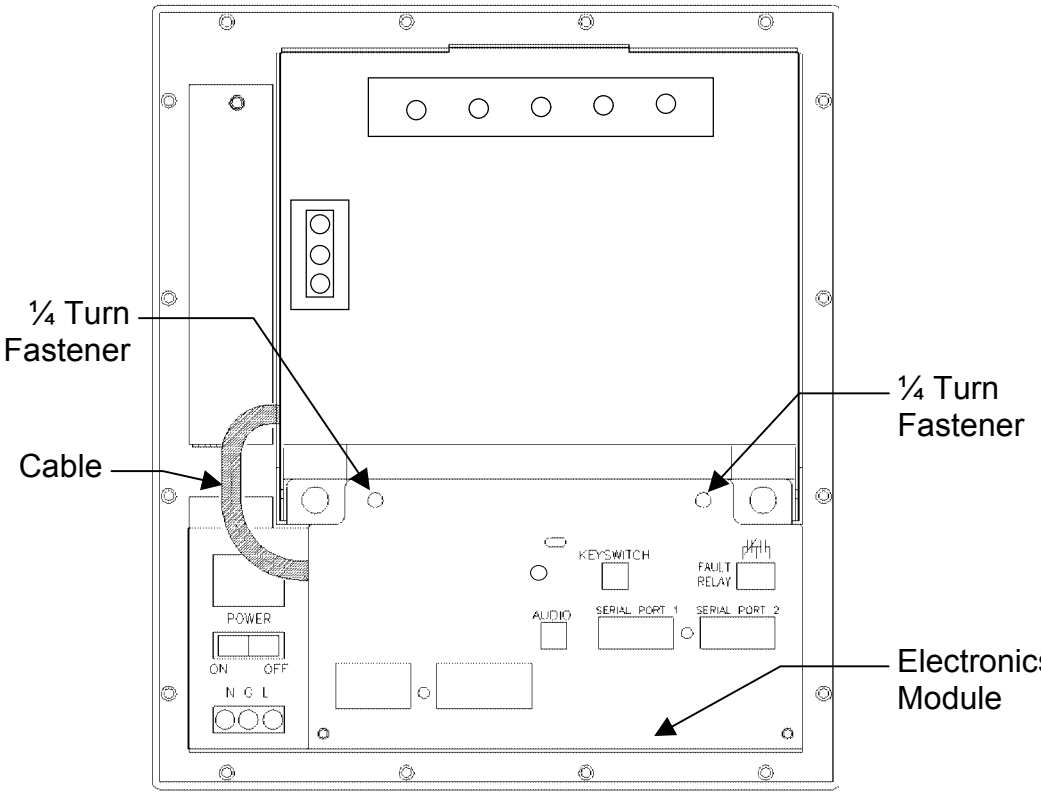


Figure 2 PanelMate Power Series 2000 (Color Keypad) Rear View

5. Go to ***Completing The Installation: Models 2000 & 4000*** (Page 5).

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Installation Instructions, PanelMate Power Series 4000

To install the Adapter, follow these steps:

1. Go to the back of the unit. Remove AC power from the Monitor and Electronics Module. Disconnect any other connectors.
2. Unplug the cable attached to the Monitor Housing Assembly from the Electronics Module Assembly. This cable connects power and the video signal to the monitor.

Caution Observe proper procedures to guard against electrostatic discharge. See page 1.

3. Remove the Electronics Module Assembly.
   a. Turn the inboard quarter-turn fasteners counter-clockwise.
   b. Support the weight of the assembly by holding the knurled fasteners.
   c. Gently pull the assembly towards you to disengage the front panel keypad connector.
4. Lower the assembly to clear the mounting flange (Fig. 3).

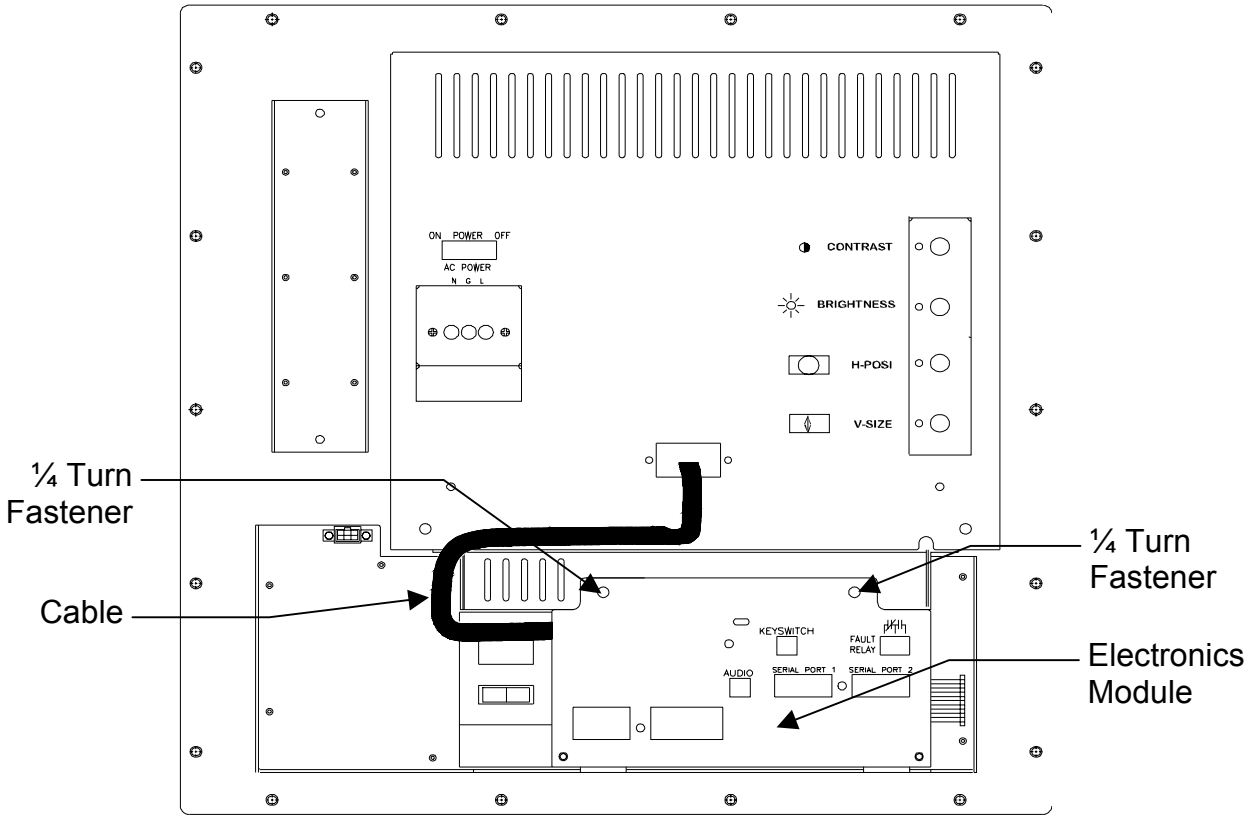


Figure 3 PanelMate Power Series 4000 Rear View

5. Go to ***Completing The Installation - Models: 2000 and 4000*** (Page 5).

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

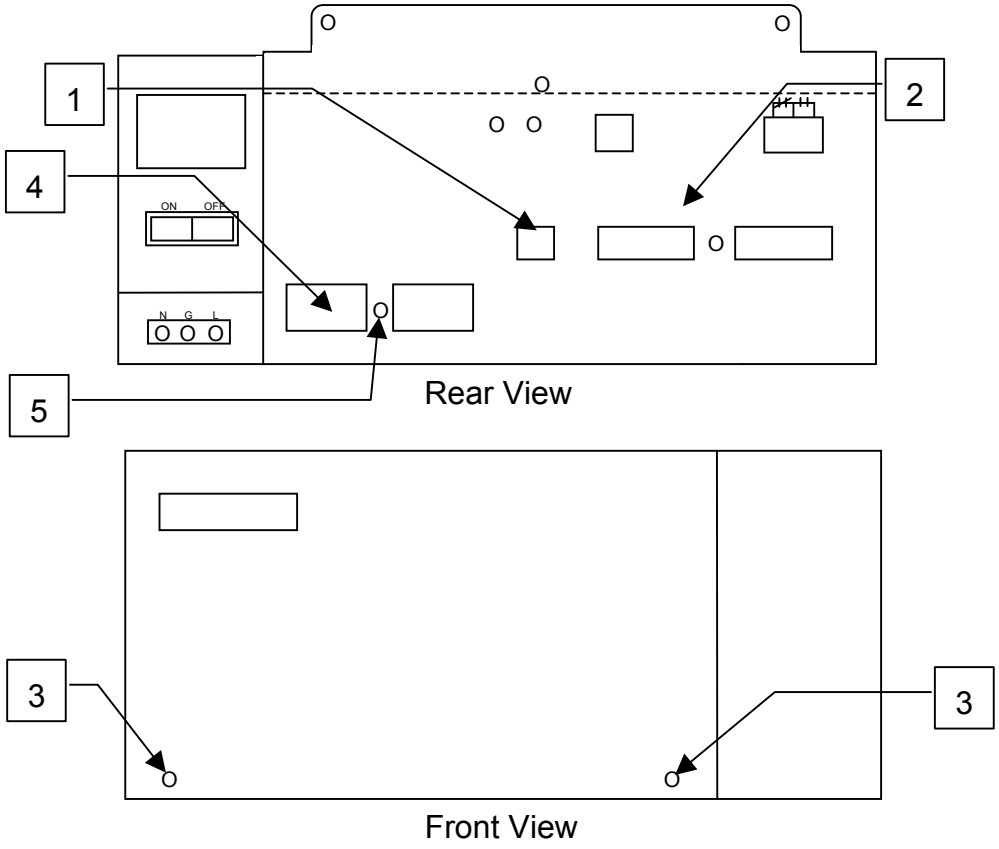


Figure 4 Electronics Module Assembly Front Cover

1) Remove the cover of the Electronics Module Assembly by removing three screws shown in Figure 4.
   b) Remove screw (1) at the rear top center of cover (2).
   c) Remove two screws (3) at the front of the assembly in the lower right and left hand corners.
   d) Set the screws aside in a safe place.
2. Remove the option plate that covers the two rectangular cutouts for option ports (4) at the rear of the unit.
   a) Unfasten the option plate screw (5) and let the plate drop inside.
   b) Tilt the unit and slide the plate out.
   c) Save the screw (5). It will be used to secure the AcceleratI/On board.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

3. Remove the ribbon cable (Fig. 5 Item 6).

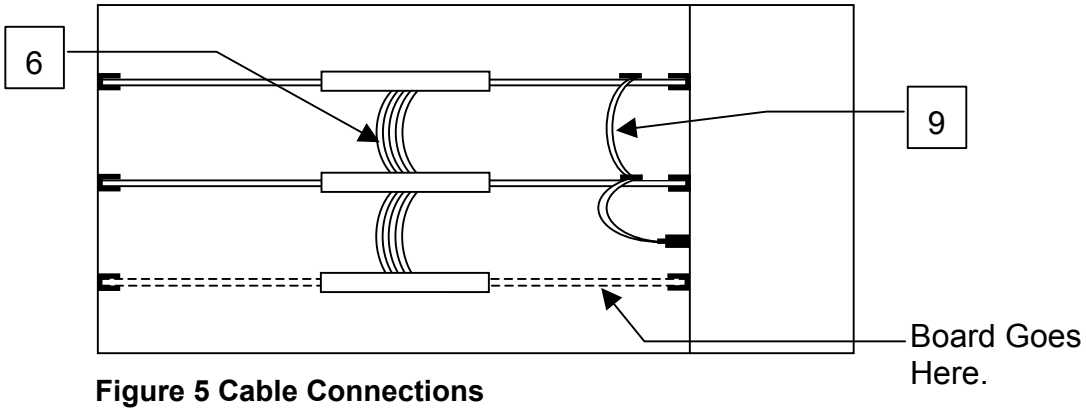


Figure 5 Cable Connections

4. Remove the AcceleratI/On Board from its shipping package.
5. Install the board (Fig. 6, Item 7) with the component side up and the mounting plate (8) oriented as shown in Figure 6. Insert the right corner first and carefully pivot the connectors around the power cables (9) located by the right card guide. Slide the AcceleratI/On board in until it is fully seated.

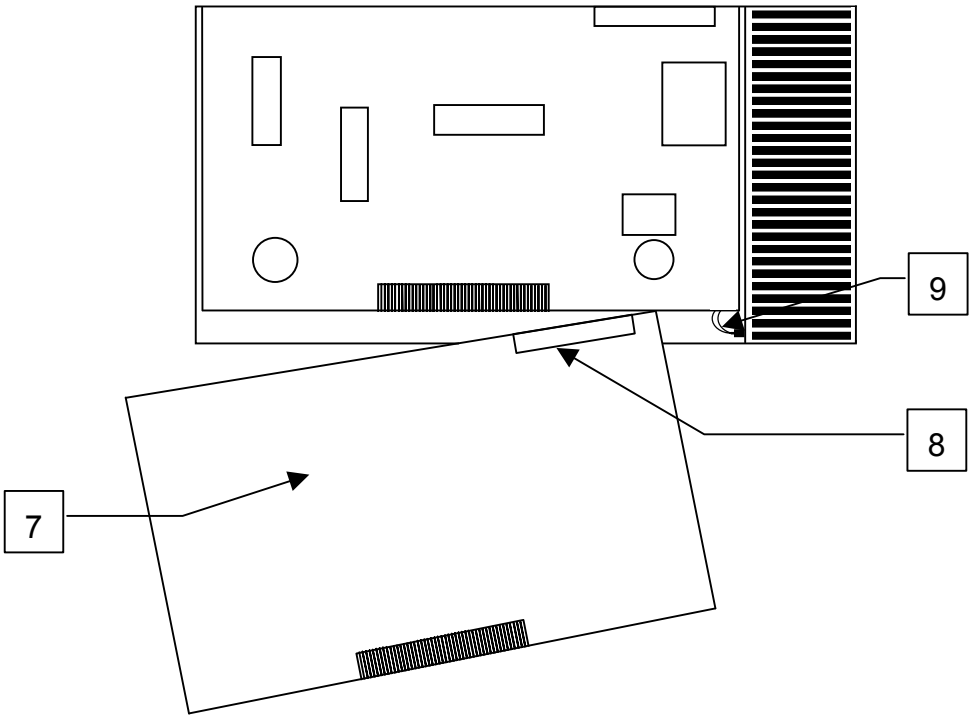


Figure 6 Board Insertion (Top View)

6. Using screw (Fig. 4, Item 5) secure the AcceleratI/On Board by tightening the screw on the rear of the unit.
7. Replace the ribbon cable (Fig. 5, Item 6) and make connections with all three circuit boards.
8. Replace cover (Fig. 4, Item 2) and tighten screws (1 & 3) on the front and rear of the unit.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

9. Attach the Electronics Module Assembly.
    a. Engage the front slot of Electronics Module Assembly (Fig. 1) on the mounting flange of the Front Panel Assembly.
    b. Bring the unit up to horizontal and slide the quarter-turn fasteners into their mounting holes on the front panel tray.
    c. Complete the assembly by turning the quarter-turn fasteners clockwise to lock in place.
10. Connect the video/power cable from the CRT to the Electronics Module. Remove the disposable grounding wrist strap.
11. Connect AC power and any other connectors.
12. Installation of the AcceleratI/On Board is complete.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Installation Instructions, PanelMate Power Series 3000 And 5000

Note In this discussion, “Left” and “Right” are defined by facing the front of the unit.

To install the AcceleratI/On Board, follow these steps:

Remove AC power at the right side of the unit.

Caution Observe proper procedures to guard against electrostatic discharge. See page 1.

1. Remove the left side cover (Fig. 7, Item 9) of the Electronics Display Assembly. by removing two screws (10).
   a) Remove two screws on PanelMate Model 3000 (10), or one screw on PanelMate Model 5000 (10)
   b) Set the screws and cover aside in a safe place.
2. Remove the option plate that covers the two rectangular cutouts for option ports (Figure 8, item 11) at the rear of the unit.
   a) Remove the option plate mounting screw (12) and let the plate drop inside.
   b) Tilt the unit and slide the plate out.
   c) Save the screw (12). It will be used to secure the AcceleratI/On Board.

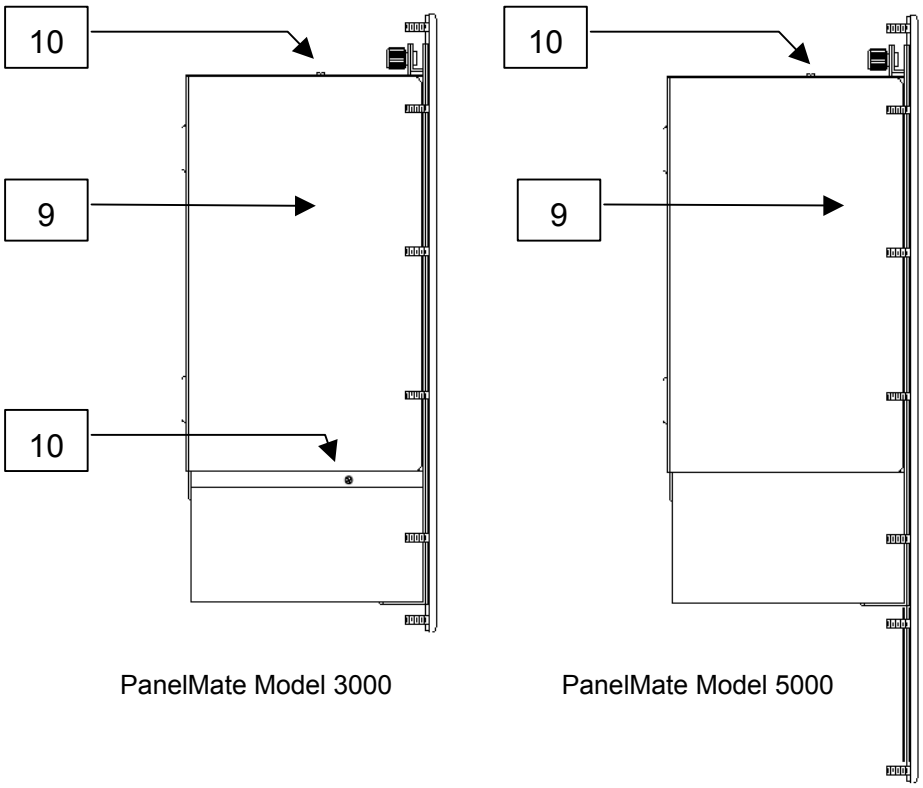
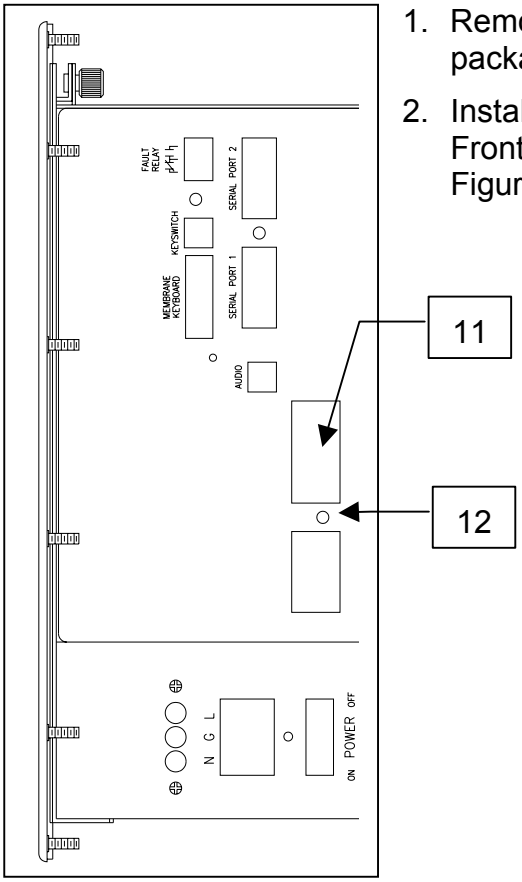


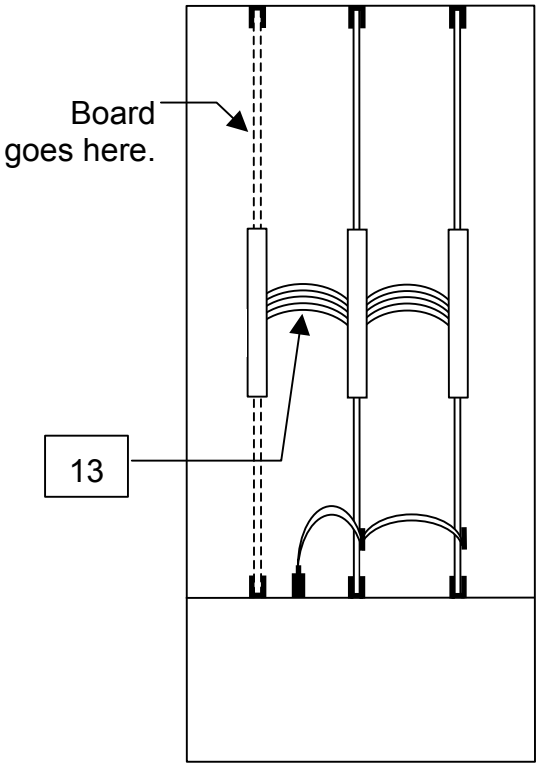
Figure 7 Electronics Module Assembly (Side View)

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



1. Remove the AcceleratI/On Board from its shipping package.
2. Install the board with the component side facing the Front of the unit and positioned in slot 1 as shown in Figure 9.

Figure 8 Electronics Module Assembly (Right Side)



3. Using the option plate screw (Fig. 8, Item 12), secure the AcceleratI/On Board by tightening the screw on the rear of the unit.
4. Replace the ribbon cable (Fig. 9, Item 13)and make connections with all three circuit boards.
5. Replace the cover (Fig. 7, Item 9), and tighten screw(s) (10).
6. Connect AC power.
7. Installation of the AcceleratI/On Board is complete.

Figure 9 Ribbon Cable Connection

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Installation Instructions,
PanelMate Power Series Model 4200 (Split Architecture)

To install the AcceleratI/On Board, follow these steps:

1. Go to the back of the unit. Remove AC power from the Monitor and Electronics Module. Disconnect any other connectors.
2. Unplug the cable attached to the Monitor Housing Assembly from the Electronics Module Assembly. This cable connects power and the video signal to the monitor.

Caution Observe proper procedures to guard against electrostatic discharge. See page 1.

3. Remove Electronics Module Assembly (Fig. 10, Item 14).
   a. Turn inboard quarter-turn fasteners (15) counter-clockwise.
   b. Support the weight of the assembly by holding the fasteners.
   c. Gently pull the assembly towards you and lower it to clear the mounting flange.

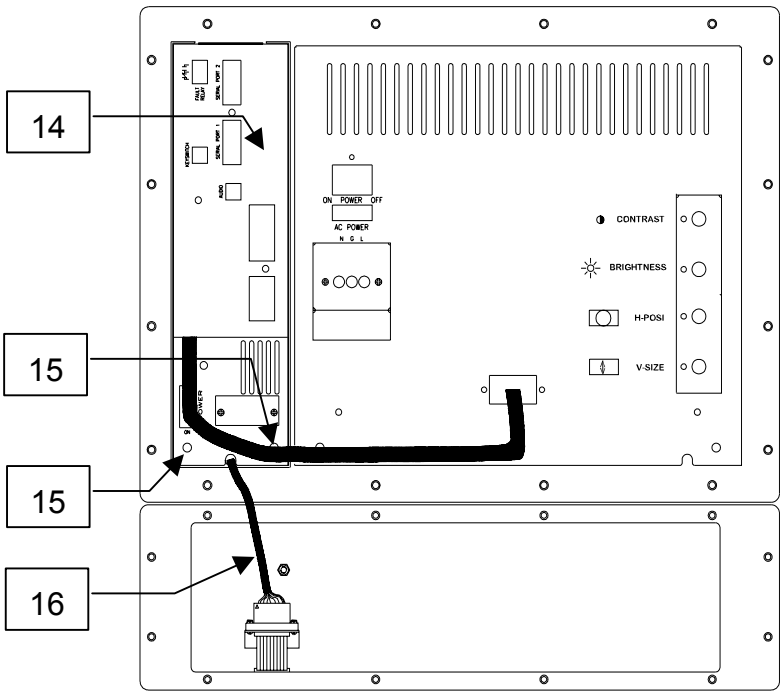


Figure 10 PanelMate Power Series 4000 (Model 4200) Rear View

4. Remove the cover of the Electronics Module Assembly by removing three screws (Fig. 11, item 17). Set the screws and cover aside in a safe place.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

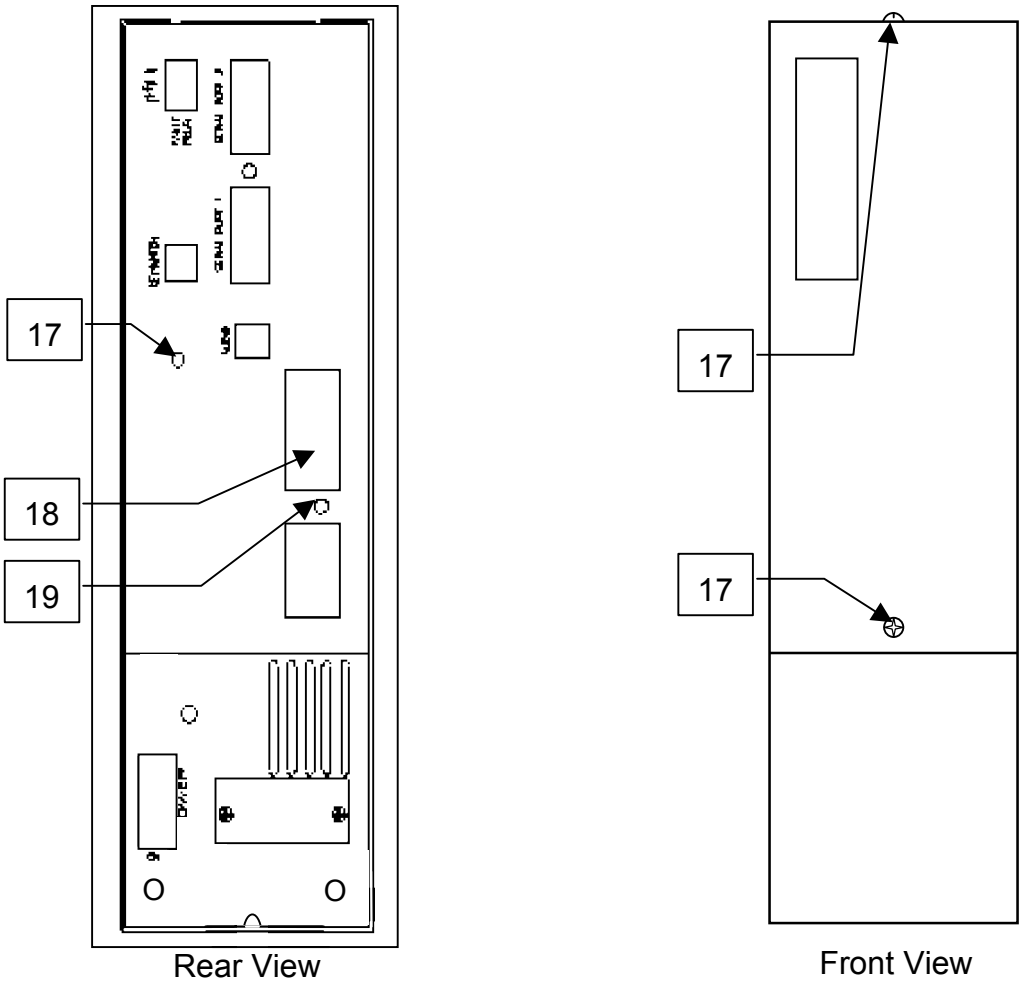
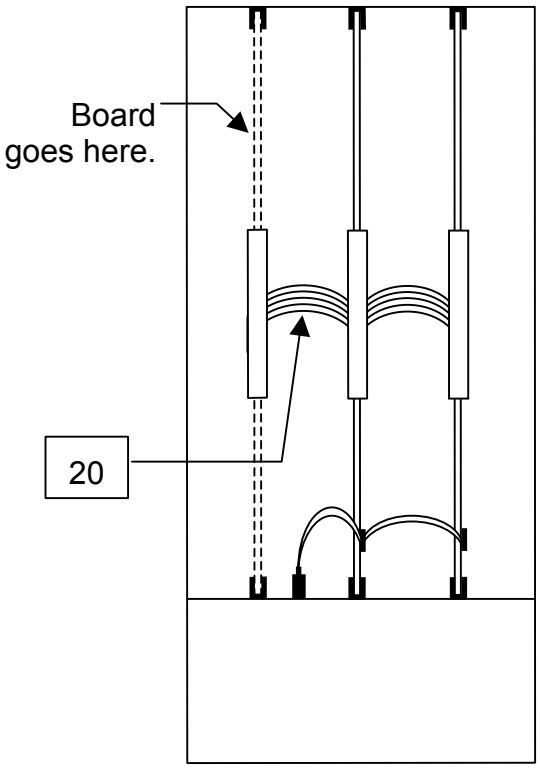


Figure 11 Electronics Module Front Cover Assembly

5. Remove the option plate that covers the two rectangular cutouts for option ports (18) at the rear of the unit.
   a. Remove the option plate mounting screw (19) and let the plate drop inside.
   b. Tilt the unit and slide the plate out.
   c. Save the screw (19). It will be used to secure the AcceleratI/On Board.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



6. Remove the ribbon cable (Fig. 12, Item 20) from the two circuit boards.
7. Remove the AcceleratI/On Board from its shipping package.
8. Install the board (Fig. 13, Item 21) with the component side facing the same direction as the other circuit boards, and the mounting plate (22) oriented as shown in Figure 13. Insert the right corner first and carefully pivot the connectors around the power cables (23) located by the right card guide. Slide the AcceleratI/On Board in until it is fully seated.

Figure 12 Ribbon Cable Connection

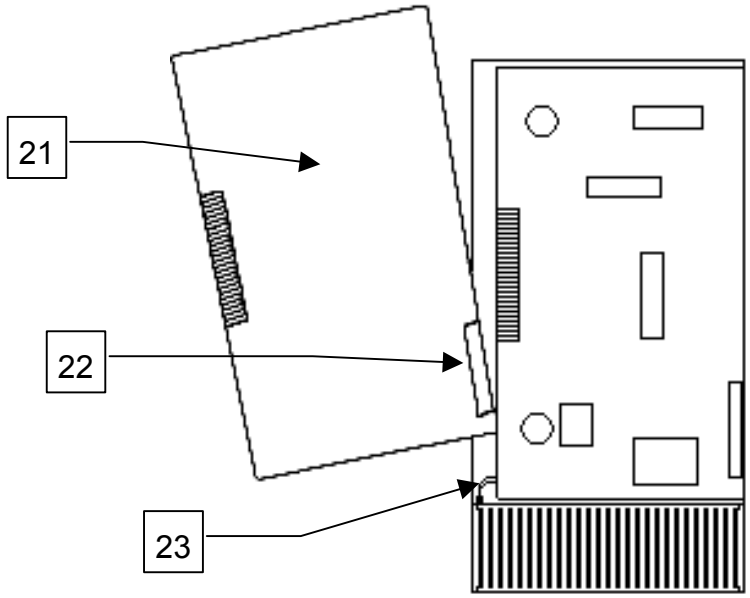


Figure 13 Board Insertion (Side View)

9. Using screw (Fig. 11, Item 19) secure the AcceleratI/On Board by tightening the screw on the rear of the unit.
10. Replace the ribbon cable (Fig. 12) and make connections with all three circuit boards.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

11. Replace cover (Fig. 11) and tighten screws (17) on the front and rear of the unit.
12. Attach the Electronics Module Assembly.
    a. Engage the front slot of Electronics Module Assembly (Fig. 10) on the mounting flange of the Front Panel Assembly.
    b. Slide the quarter-turn fasteners into their mounting holes on the front panel tray.
    c. Complete the assembly by turning the quarter-turn fasteners clockwise to lock in place.
13. Connect the video/power cable from the CRT to the Electronics Module. Remove the disposable grounding wrist strap.
14. Connect AC power to the Monitor and Electronics Module and reconnect any other connectors.
15. Installation of the AcceleratI/On Board is complete.

AcceleratI/On Board Connection Information

The network connector and LED status indicators are located at the option ports, on either the rear or the side of the unit (depending upon the model).



Figure 14 Profibus Adapter Network Connection

Cutler-Hammer
173 Heatherdown Drive
P.O. Box 6166
Westerville, OH 43086
(614)882-3282
www.cutlerhammer.eaton.com

PN 01-50423-00
02/19/01

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP