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PFXGP4501TAAC

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Pro-face Xycom GP4000

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Pro-face Xycom GP-450xT GP450xT

uch Screen Operator Interface 10.4 TFT Analog Color LCD Display with Conformal Coating. Call No

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See Also:

<http://www.axcontrol.com/automation/pro-face/gp-4000>

Rear Mount Model



Overview

This chapter presents the Rear Mount Model.

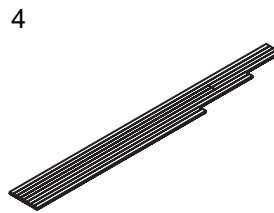
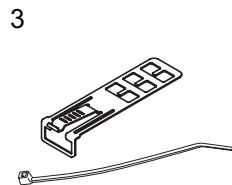
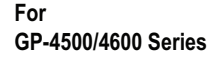
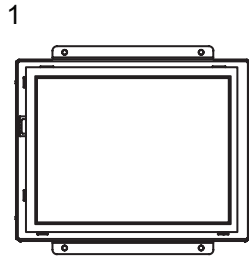
What Is in This Chapter?

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7.1 Package Contents

Verify all items listed here are present in your package:



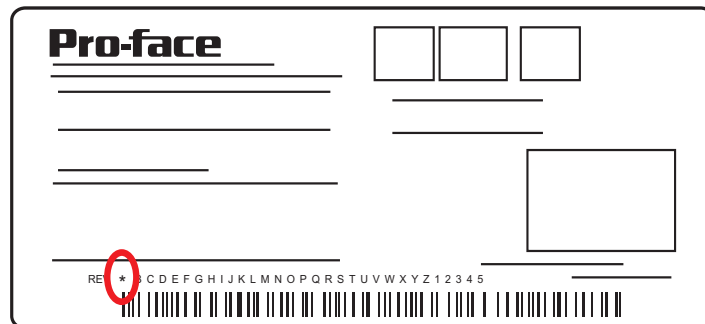
- 1 GP unit: 1
- 2 DC power supply connector: 1 *1
- 3 USB cable clamp Type A: 1 set (1 clip and 1 tie)
- 4 Installation gasket: 1 set (8 per set)
- 5 Installation fasteners: 2 per set (attached to the top and bottom surfaces of the GP unit)
- 6 Installation screws: 4 per set (attached to the top and bottom surfaces of the GP unit)
- 7 GP4000 Series Rear Mount Model Installation Guide: 1
- 8 Warning/Caution Information: 1

This unit has been carefully packed with special attention to quality. However, should you find anything damaged or missing, please contact your local distributor.

*1 You can use the DC power supply connector for GP-4300/4400 series to supply power to GP-4500/4600 series. However the reverse is not possible. You cannot use the DC power supply connector for GP-4500/4600 series on GP-4300/4400 series.

Revision

You can identify the product revision from the product label on the GP unit. The following diagram is a representation of Revision A. The product label indicates Revision A with an asterisk (*) in the "A" position.



7.2 Certifications and Standards

Introduction

Pro-face submitted this product for independent testing and qualification by third-party listing agencies. These agencies have certified this product as meeting the following standards.

Agency Certifications

The GP unit is manufactured in accordance with:

- UL 508 and CSA C22.2 n°142 for Industrial Control Equipment

Note:

- For use in Pollution Degree 2 environments.
- For use on a flat surface of a Type 1 Enclosure.
- 24 Vdc input panel must be used with a Class 2 power supply.

Hazardous Substances

The GP is a device for use in factory systems. When using the GP in a system, the system should comply with the following standards in regards to the installation environment and handling:

- WEEE, Directive 2012/19/EU
- RoHS, Directive 2011/65/EU
- RoHS China, Standard SJ/T 11363-2006

CE Markings

This product conforms to the necessary requirements of the following Directives for applying the CE label:

- 2004/108/EC EMC Directive

This conformity is based on compliance with EN61000-6-4, EN61000-6-2

For information on Standards and Regulations, such as certified models and certificates, see the following.

<http://www.pro-face.com/worldwide.html>

DANGER

POTENTIAL FOR EXPLOSION

- Verify that the power, input and output (I/O) wiring are in accordance with Class I, Division 2 wiring methods.
- Substitution of any component may impair suitability for Class I, Division 2.
- Do not connect or disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
- Securely lock externally connected units and each interface before turning on the power supply.
- Do not use, connect, or disconnect USB cable unless area is known to be non-hazardous.
- Do not disconnect while circuit is live or unless the area is known to be free of ignitable concentrations.
- Potential electrostatic charging hazard: wipe the front panel of the terminal with a damp cloth before turning ON.

Failure to follow these instructions will result in death or serious injury.

KC Markings

사용자안내문

기종별	사용자안내문
A급 기기 (업무용 방송통신기자재)	이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

7.3 Option Items / Maintenance Options

This section explains the option items and maintenance options dedicated for use with the rear mount model. Read this section together with chapter 2, "Accessories" (see page 27).

Option Items

Product Name	Model Number	Corresponding GP unit	Description
12.1-inch Overlay	PFXZGPFSR12W1	PFXGP4601TADR	Overlay (Front Sheet) for Flat Mount of GP4000 Series Rear Mount Model (Color: White, 1 piece)
10.4-inch Overlay	PFXZGPFSR10W1	PFXGP4501TADR	
7.5-inch Overlay	PFXZGPFSR7W1	PFXGP4401TADR	
5.7-inch Overlay	PFXZGPFSR6W1	PFXGP4301TADR	

Maintenance Options

Product Name	Model Number	Corresponding GP unit	Description
12.1-inch & 10.4-inch Rear mount Installation Fastener	PFXZGPAFRL1	PFXGP4601TADR PFXGP4501TADR	Used to install the GP4000 Series Rear Mount model into a solid panel (2 pieces/ set). Includes the installation screws (4 pieces/set).
7.5-inch & 5.7-inch Rear mount Installation Fastener	PFXZGPAFRM1	PFXGP4401TADR PFXGP4301TADR	
Rear mount Installation Gasket	PFXZGPWGR1	PFXGP4601TADR PFXGP4501TADR PFXGP4401TADR PFXGP4301TADR	GP4000 Series Rear Mount model Installation Gasket (1 piece)

7.4

Parts Identification and Functions

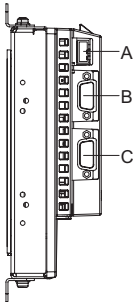
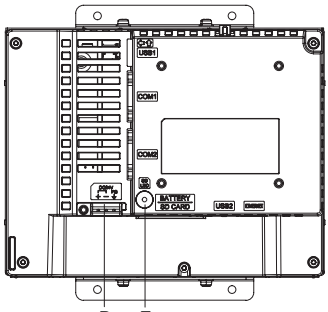
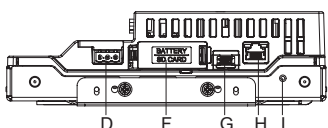
PFXGP4301TADR

Side	PFXGP4301TADR
Right	
Rear	
Bottom	

Part	Name	Description
A	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
B	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
C	Serial Interface (COM2)	RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
D	Power Plug Connector	-
E	SD Card Access LED	This lamp lights up when SD Card is inserted. (see page 181) NOTE: Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.

Part	Name	Description
F	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion / Removal (see page 150). For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery (see page 168).
G	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
H	Ethernet Interface	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1. (see page 181)
I	Maintenance LED	(see page 181)

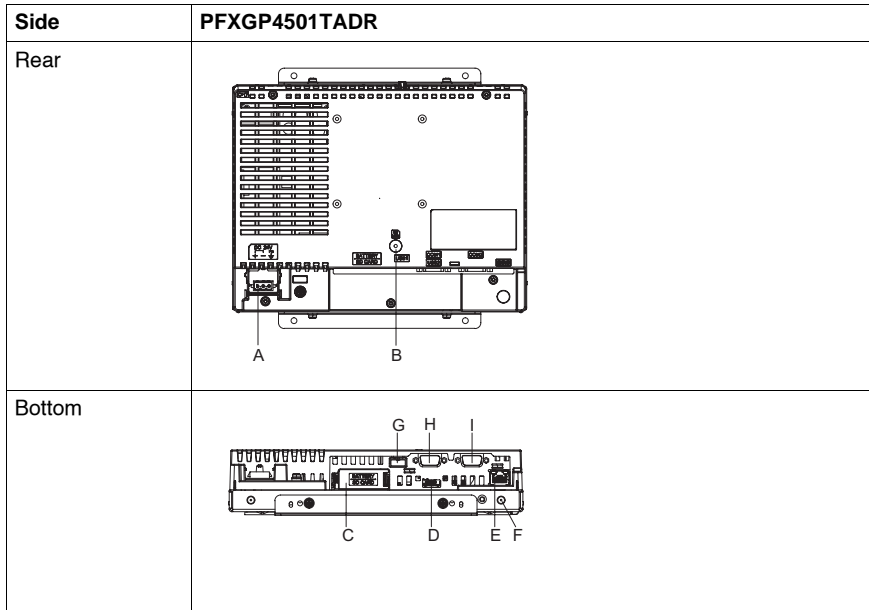
PFXGP4401TADR

Side	PFXGP4401TADR
Right	 <p>A diagram showing the right side of the device. Three ports are labeled: A (USB Type A), B (USB mini-B), and C (Ethernet).</p>
Rear	 <p>A diagram showing the rear of the device. Two ports are labeled: D (SD Card Interface) and E (Battery Insertion Cover).</p>
Bottom	 <p>A diagram showing the bottom of the device. Five ports are labeled: D (SD Card Interface), F (SD Card Interface Cover), G (USB mini-B), H (Maintenance LED), and I (Maintenance LED).</p>

Part	Name	Description
A	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).

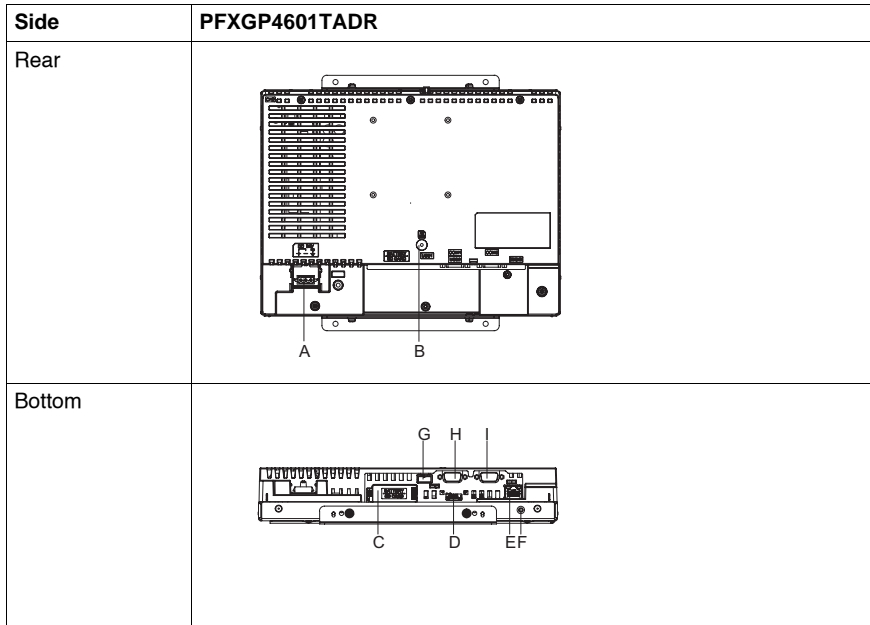
Part	Name	Description
B	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
C	Serial Interface (COM2)	RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
D	Power Plug Connector	-
E	SD Card Access LED	This lamp lights up when SD Card is inserted. (<i>see page 181</i>) NOTE: Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
F	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion / Removal (<i>see page 150</i>). For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery (<i>see page 168</i>).
G	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
H	Ethernet Interface	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1. (<i>see page 181</i>)
I	Maintenance LED	(<i>see page 181</i>)

PFXGP4501TADR



Part	Name	Description
A	Power Plug Connector	-
B	SD Card Access LED	This lamp lights up when SD Card is inserted. (see page 181) NOTE: Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
C	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion/Removal (see page 150). For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery (see page 168).
D	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
E	Ethernet Interface	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1. (see page 181)
F	Maintenance LED	(see page 181)
G	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
H	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
I	Serial Interface (COM2)	RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.

PFXGP4601TADR



Part	Name	Description
A	Power Plug Connector	-
B	SD Card Access LED	This lamp lights up when SD Card is inserted. (see page 181) NOTE: Do not remove or insert the SD Card when the LED lamp is on. Doing so may damage data on the SD Card.
C	SD Card Interface Cover/Replacement Battery Insertion Cover	For information on how to open the cover, and insert or remove the SD Card, refer to SD Card Insertion/Removal (see page 150). For information on how to open the cover and replace the battery, refer to Replacing the Primary Battery (see page 168).
D	USB (mini-B) Interface	Conforms to USB2.0 (mini-B) x 1. Communication Distance: 5 m (16.4 ft) or less.
E	Ethernet Interface	Ethernet transmission interface (10BASE-T/100BASE-TX) Connector: Modular jack (RJ-45) x 1. (see page 181)
F	Maintenance LED	(see page 181)
G	USB (Type A) Interface	Conforms to USB2.0 (Type A) x 1. Power supply voltage: 5Vdc+/-5%. Output Current: 500 mA or less. Maximum communication distance: 5 m (16.4 ft).
H	Serial Interface (COM1)	RS-232C Serial Interface. Connector: D-Sub 9 pin (plug) x 1.
I	Serial Interface (COM2)	RS-422/485 Serial Interface. Connector: D-Sub 9 pin (plug) x 1.

LED Indications

(1) Maintenance LED

⚠ WARNING	
UNINTENDED EQUIPMENT OPERATION	
You cannot check the maintenance LED from the front of the GP unit.	
<ul style="list-style-type: none"> • Design software by considering the possibility that touch operations may be performed while an error has occurred. • To prevent malfunctions caused by touch operations, design software so that switches and other controls arranged on the screen do not function when you want the screen to be off even if these controls are accessed with touch operations. *1 	
Failure to follow these instructions can result in death, serious injury, or equipment damage.	


*1 For details on the Standby Mode function and on the operations to use in the system data area to turn the screen off, read the "GP-Pro EX Reference Manual".

Color	Indicator	Operation Mode (Drawing)	Logic execution mode (when logic is enabled)
Green	ON	Offline	—
		In operation	RUN
	Flashing	In operation	STOP
Orange	Flashing	Software starting up.	
Red	ON	Power is turned ON.	
	Flashing	In operation	Major Error
LED fade (Green)	ON	The GP unit's "Backlight Control" is set to Standby Mode and the screen has gone blank.	
-	OFF	Power is turned OFF.	

(2) SD Card Access LED

Color	Indicator	Description
Green (Active)	ON	The SD Card is inserted.
	OFF	The SD Card is not inserted or is not being accessed.

(3) Ethernet LED

	Color	Indicator	Description
	Green (Active)	Flashing	Data transmission is occurring.
		OFF	No data transmission.
	Green (Link)	ON	Data transmission is available in 10BASE-T/100BASE-TX.
		OFF	No connection or subsequent transmission failure.