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# **PFGP4203TAD**

<http://www.axcontrol.com/automation/pro-face/gp-4000/PFGP4203TAD>

## **Pro-face Xycom GP4000**

PFGP4203TAD

Pro-face Xycom GP-4203T GP4203T

Touch Screen Operator Interface 3.5 TFT Color LCD Display. Call Now!

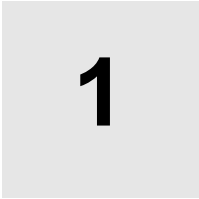
**1-800-991-7026**

[\*\*sales@axcontrol.com\*\*](mailto:sales@axcontrol.com)

**See Also:**

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

# Overview



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## Overview

This chapter describes the GP unit panels and general topics such as package contents and standards.

## What Is in This Chapter?

This chapter contains the following topics:

Topic	Page
GP unit Package Contents	12
Certifications and Standards	13
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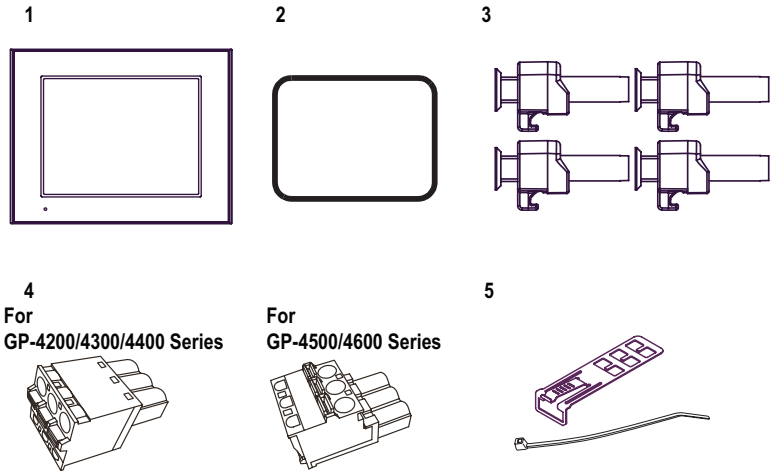
## GP unit Package Contents

**Note:**

- For information on the package contents for the rear mount model, refer to Package Contents (see page 172).

### Overview

Verify all items listed here are present in your package:



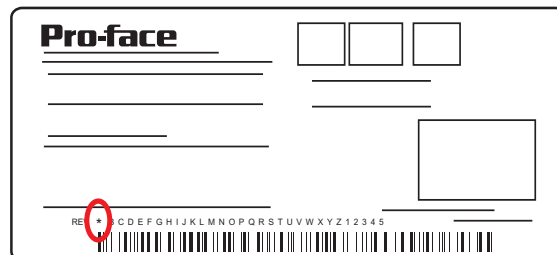
- 1 GP unit: 1
- 2 Installation gasket: 1 (attached to the GP unit)
- 3 Installation fasteners: 4 per set
- 4 DC power supply connector: 1 (only for DC type)<sup>\*1</sup>
- 5 USB cable clamp Type A: 1 set (1 clip and 1 tie)
- 6 GP4000 Series Installation Guide: 1
- 7 Warning/Caution information: 1

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

<sup>\*1</sup> You can use the DC power supply connector for GP-4200/4300/4400 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-4200/4300/4400 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.



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## Certifications and Standards

**Note:**

- For information on the certifications and standards of the rear mount model, refer to Certifications and Standards (see page 173).

### 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
- Standard ANSI/ISA - 12.12.01 and CSA C22.2 n°213 for Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

**Note:**

- For use in Pollution Degree 2 environments.
- For use on a flat surface of a Type 1, Type 4X (Indoor Use Only) or Type 13 Enclosure.
- 24 Vdc input panel must be used with a Class 2 power supply.
- Suitable for use in Class I, Division 2 Groups A, B, C, and D Hazardous Locations.

### 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:

- 2006/95/EC Low Voltage Directive
- 2004/108/EC EMC Directive

This conformity is based on compliance with EN61000-6-4, EN61000-6-2 (DC model, AC model)

This conformity is based on compliance with EN60950-1 (AC model)

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	사 용 자 안 내 문
A급 기기 (업무용 방송통신기자재)	이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

## GP Series of Panels

### Critical systems, alarms and handling Requirements

Critical alarm indicators and system functions require independent and redundant protection hardware and/or mechanical interlocks.

When you cycle power, wait at least 10 seconds before restoring the power to the GP unit after it has been turned off. If GP unit is restarted too quickly, it may not operate correctly.

In the event the screen cannot be properly read, for example, if the backlight is not functioning, it may be difficult or impossible to identify a function. Functions that may present a hazard if not immediately executed, such as a fuel shut-off, must be provided independently of the GP unit. The machine's control system design must take into account the possibility of the backlight no longer functioning and the operator being unable to control the machine or making mistakes in the control of the machine.

### WARNING

#### LOSS OF CONTROL

- The designer of any control scheme must consider the potential failure modes of control paths and, for certain critical control functions, provide a means to achieve a safe state during and after a path failure. Examples of critical control functions are emergency stop and overtravel stop, power outage and restart.
- Separate or redundant control paths must be provided for critical control functions.
- System control paths may include communication links. Consideration must be given to the implications of unanticipated transmission delays or failures of the link.
- Observe all accident prevention regulations and local safety guidelines.
- Each implementation of this equipment must be individually and thoroughly tested for proper operation before being placed into service.
- The machine control system design must take into account the possibility of the backlight no longer functioning and the operator being unable to control the machine, or making errors in the control of the machine.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

For additional information, refer to NEMA ICS 1.1 (latest edition), "Safety Guidelines for the Application, Installation, and Maintenance of Solid State Control" and to NEMA ICS 7.1 (latest edition), "Safety Standards for Construction and Guide for Selection, Installation and Operation of Adjustable-Speed Drive Systems" or their equivalent governing your particular location.

### WARNING

#### UNINTENDED EQUIPMENT OPERATION

- Do not use this equipment as the only means of control for critical system functions such as motor start/stop or power control.
- Do not use this equipment as the only notification device for critical alarms, such as device overheating or overcurrent.


**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

### Handling the LCD panel

The following characteristics are specific to the LCD panel and are considered normal behavior:

- LCD screen may show unevenness in the brightness of certain images or may appear different when seen from outside the specified viewing angle. Extended shadows, or crosstalk may also appear on the sides of screen images.
- LCD screen pixels may contain black and white colored spots and color display may seem to have changed.
- When the same image is displayed on the screen for a long period, an afterimage may appear when the image is changed.

**NOTE:** Change the screen image periodically and try not to display the same image for a long period of time.

 <b>CAUTION</b>
<b>SERIOUS EYE AND SKIN INJURY</b> The liquid in the LCD panel contains an irritant: <ul style="list-style-type: none"><li>● Avoid direct skin contact with the liquid.</li><li>● Wear gloves when you handle a broken or leaking unit.</li><li>● Do not use sharp objects or tools in the vicinity of the LCD touch panel.</li><li>● Handle the LCD panel carefully to prevent puncture, bursting, or cracking of the panel material.</li></ul> <b>Failure to follow these instructions can result in injury or equipment damage.</b>

If the panel is damaged and any liquid comes in contact with your skin, immediately rinse the area with running water for at least 15 minutes. If the liquid gets in your eyes, immediately rinse your eyes with running water for at least 15 minutes and consult a doctor.