



AX Control Company

[www.axcontrol.com](http://www.axcontrol.com)

Your Automation Supplier

# PFXGP4501TAA

<http://www.axcontrol.com/automation/pro-face/gp-4000/PFXGP4501TAA>

## Pro-face Xycom GP4000

PFXGP4501TAA

Pro-face Xycom GP-450xT GP450xT

Touch Screen Operator Interface 10.4 TFT Analog Color LCD Display. 100-240 VAC. Call Now!

**1-800-991-7026**

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

**See Also:**

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

## 7.5

## Structural Specifications

	PFXGP4301TA DR	PFXGP4401TA DR	PFXGP4501TA DR	PFXGP4601TA DR
Grounding	Functional grounding: Grounding resistance of 100Ω, 2mm <sup>2</sup> (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)			
Cooling Method	Natural air circulation			
Protection structure	IP20 <sup>(1)(2)</sup>			
External dimensions (not attached installation fasteners)	W155.6 x H123.4 x D59.7 mm (W6.13 x H4.86 x D2.35 in.)	W204 x H159.4 x D60.4 mm (W8.03 x H6.28 x D2.38 in.)	W259.7 x H201.5 x D57.6mm (W10.22 x H7.93 x D2.27 in.)	W302 x H228 x D56.6mm (W11.89 x H8.98 x D2.23 in.)
Panel cut dimensions <sup>(3)(4)(5)</sup>	depends on the installation method. Refer to "Panel Cut Dimensions" (page. 223)			
Weight approx.	≤ 1 kg (2.2 lb.) (including the installation fasteners)	≤ 1.4 kg (3.1 lb.) (including the installation fasteners)	≤ 2.3 kg (5.1 lb.) (including the installation fasteners)	≤ 2.8 kg (6.2 lb.) (including the installation fasteners)

**NOTE:** <sup>(1)</sup> Protection structure equivalent to IP65F<sup>\*1</sup> can be expected if you affix the Overlay (sold separately) on the screen of the GP unit and the surroundings. Pro-face does not guarantee the protective structure.

Consider the the protective structure in combination with a panel or a resin plate within your quality assurance range.

Use the Overlay manufactured by Pro-face. Use one of the following models.

- PFXZGPFSR6W1 (for the PFXGP4301TADR)
- PFXZGPFSR7W1 (for the PFXGP4401TADR)
- PFXZGPFSR10W1 (for the PFXGP4501TADR)
- PFXZGPFSR12W1 (for the PFXGP4601TADR)

<sup>\*1</sup> This is a protective structure for the front face of the Overlay manufactured by Pro-face and that has been correctly affixed to a panel or to a resin sheet. The performance of the sheet according to the material properties of the overlay in combination with a panel or a resin sheet has been confirmed under appropriate test conditions, but this does not guarantee that the protective structure enables the Pro-face Overlay to be used in any and all environments. In certain situations, the sheet can be damaged. This can occur in areas where either vaporized oils are present, or where low viscosity cutting oils are allowed to adhere to the Overlay for long periods of time. If the Overlay becomes peeled off, these conditions can lead to the ingress of oil into the GP unit and separate protection measures are suggested.

Also, if non-approved oils are present, it may cause deformation or corrosion of the front panel's plastic cover. Therefore, prior to installing the GP unit be sure to confirm the type of conditions that will be present in the GP unit's operating environment. If the Rear Mount Installation Gasket is used for a long period of time, or if the unit and its gasket are removed from the panel, the original level of the protection cannot be guaranteed. To maintain the original protection level, be sure to replace the Rear Mount Installation Gasket regularly.

(2) Affix the Overlay to the front of the GP unit. Use a material with the material properties of one of the following objects for the resin board or paints.

- Polybutylene terephthalate resin
- A mixture of polybutylene terephthalate resin and polycarbonate resin
- A mixture of acrylonitrile butadiene styrene resin and polybutylene terephthalate resin
- Stainless steel
- Polyester paint
- Acrylic paint

(3) As for dimensional tolerance everything  $+0.5/-0$  mm ( $+0.02/-0$  in.) and R in angle are below R1 (R0.04in.).

(4) Even if panel thickness is within recommend range for "Panel Cut Dimensions", the panel could warp, depending on panel's material, size, and installation location of GP unit or other devices. To prevent panel warpage, the installation surface may need to be strengthened.

(5) For the details about the installation method, refer to Installation (see page 220).

## CAUTION

### EQUIPMENT DAMAGE

Ensure that the panel is not in permanent and direct contact with oils.

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

## **NOTICE**

### STORAGE AND OPERATION OUTSIDE OF SPECIFICATIONS

- Store the panel in areas where temperatures are within the panel's specifications.
- Do not restrict or block the panel's rear-face ventilation slots.

**Failure to follow these instructions can result in equipment damage.**

## **NOTICE**

### GASKET AGING

- Inspect the gasket periodically as required by your operating environment not to damage the GP unit.
- Change the gasket at least once a year, or as soon as scratches or dirt become visible.

**Failure to follow these instructions can result in equipment damage.**

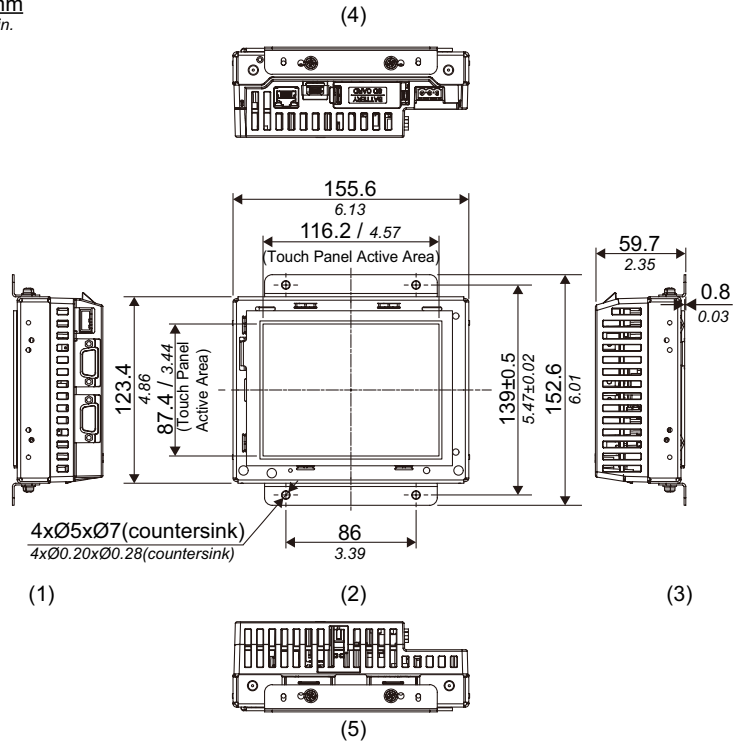
## 7.6

## Dimensions

<Panel Type/ Standard Mount : PFXGP4301TADR>

Installation with Installation Fasteners attached to the top and bottom surfaces of the GP unit

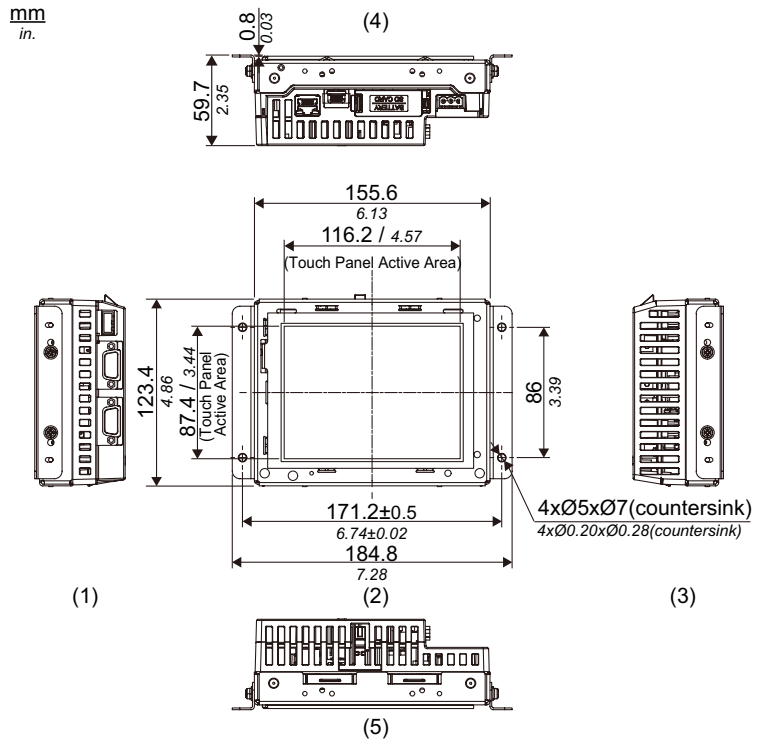
mm  
*in.*



- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top

<Panel Type/ Standard Mount : PFXGP4301TADR>

Installation with Installation Fasteners attached to the sides of the GP unit

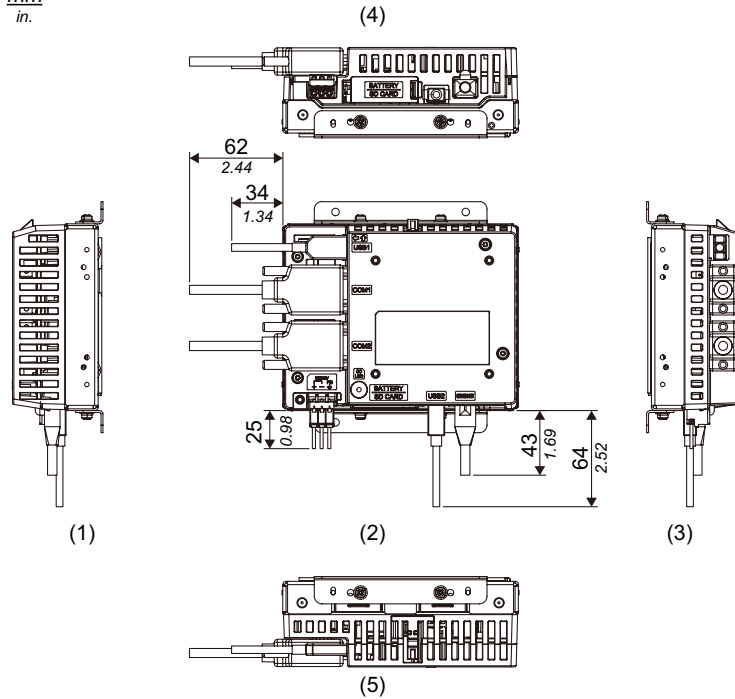


- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top

<Panel Type/ Standard Mount : PFXGP4301TADR>

Dimensions with Cables

mm  
in.

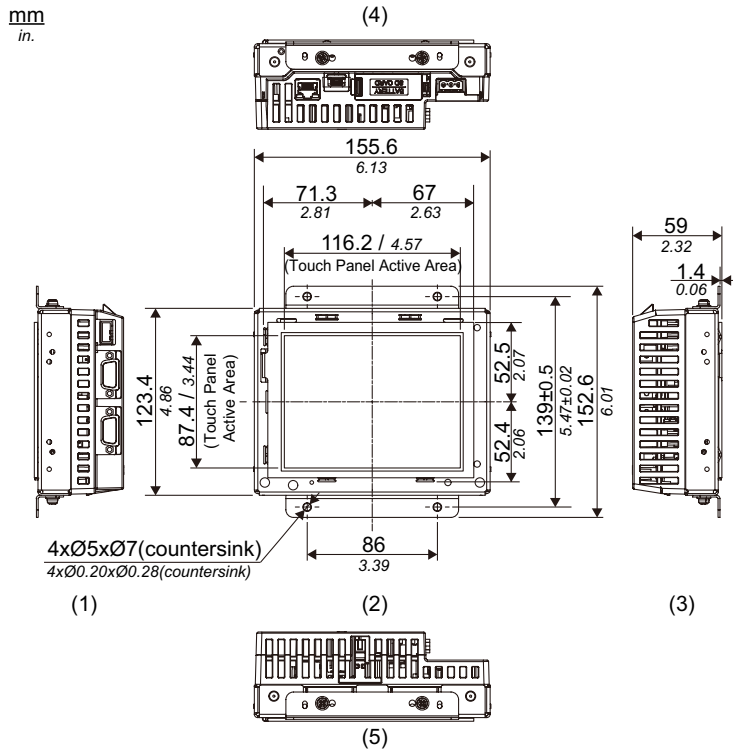


- 1 Right Side
- 2 Rear
- 3 Left Side
- 4 Bottom
- 5 Top

**NOTE:** All the above values are designed with cable bending in mind. The dimensions given here are representative values depending on the type of connection cable in use. Therefore, these values are intended for reference only.

<Panel Type/ Flat Mount : PFXGP4301TADR>

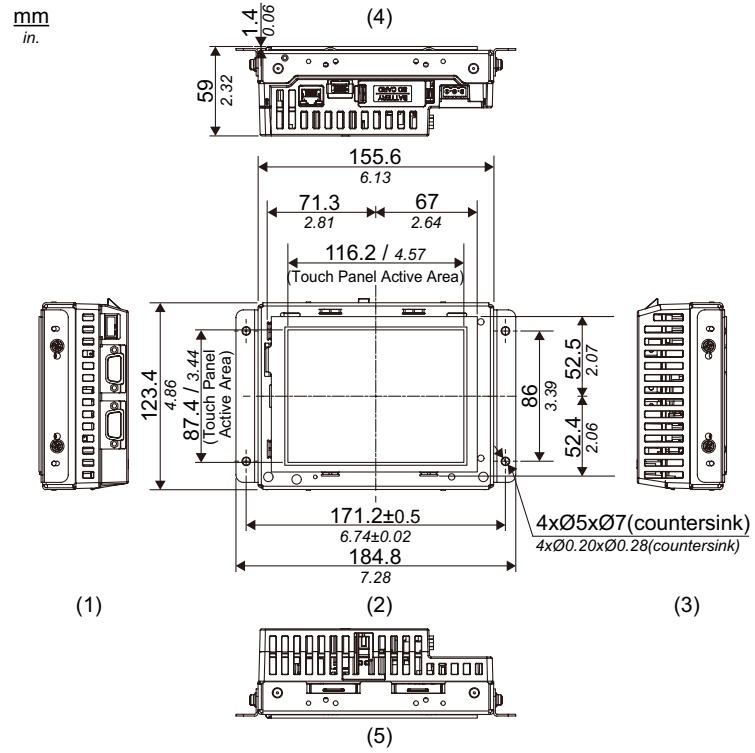
Installation with Installation Fasteners attached to the top and bottom surfaces of the GP unit



- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top

<Panel Type/ Flat Mount : PFXGP4301TADR>

Installation with Installation Fasteners attached to the sides of the GP unit



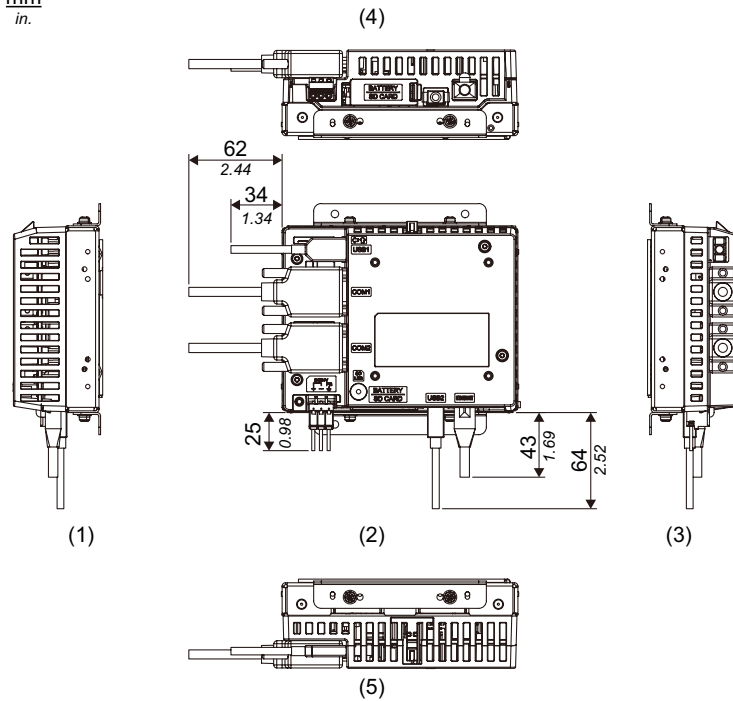
- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top



## &lt;Panel Type/ Flat Mount : PFXGP4301TADR&gt;

## Dimensions with Cables

$\frac{\text{mm}}{\text{in.}}$

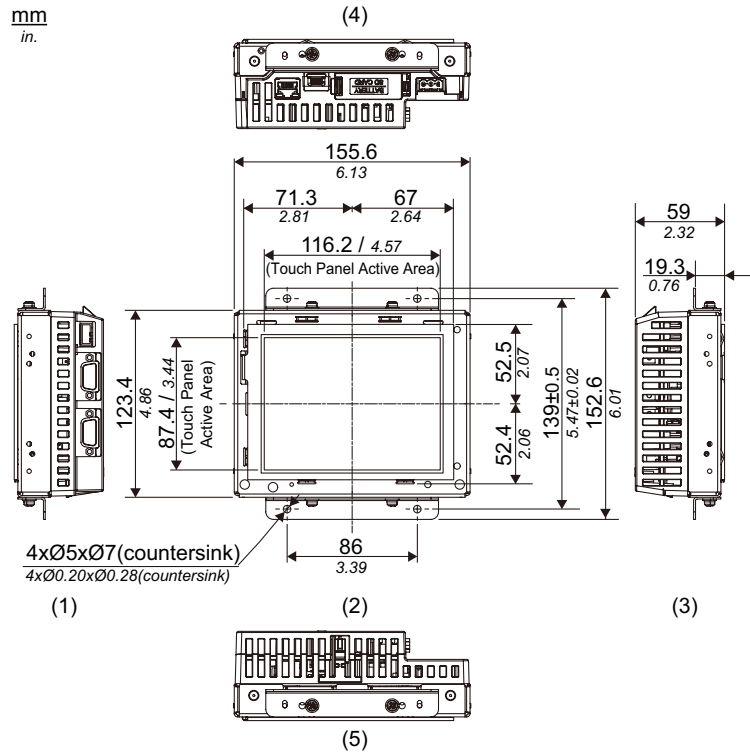


- 1 Right Side
- 2 Rear
- 3 Left Side
- 4 Bottom
- 5 Top

**NOTE:** All the above values are designed with cable bending in mind. The dimensions given here are representative values depending on the type of connection cable in use. Therefore, these values are intended for reference only.

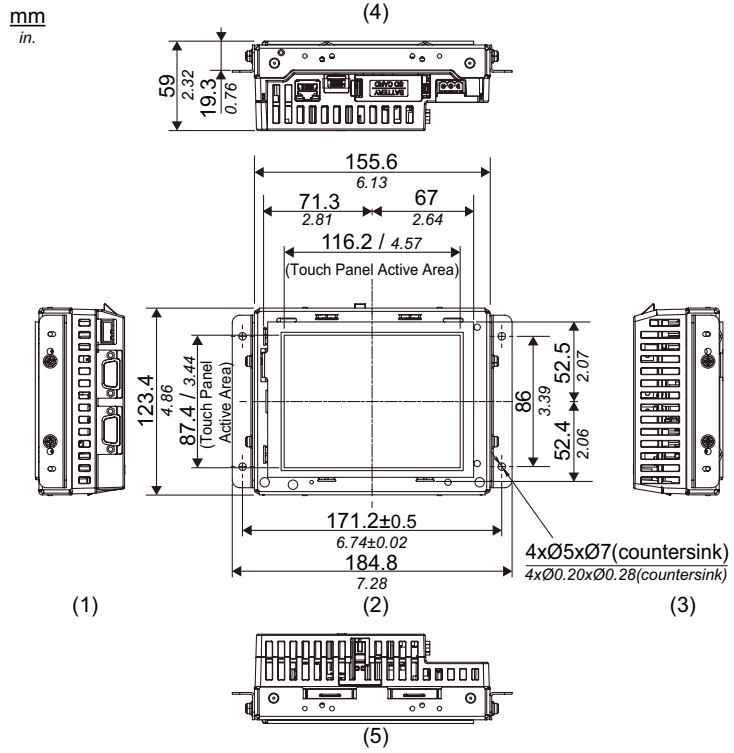
<Resin BossType/ Standard Mount and Flat Mount : PFXGP4301TADR>

Installation with Installation Fasteners attached to the top and bottom surfaces of the GP unit



- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top

<Resin Boss Type/ Standard Mount and Flat Mount : PFXGP4301TADR>  
 Installation with Installation Fasteners attached to the sides of the GP unit

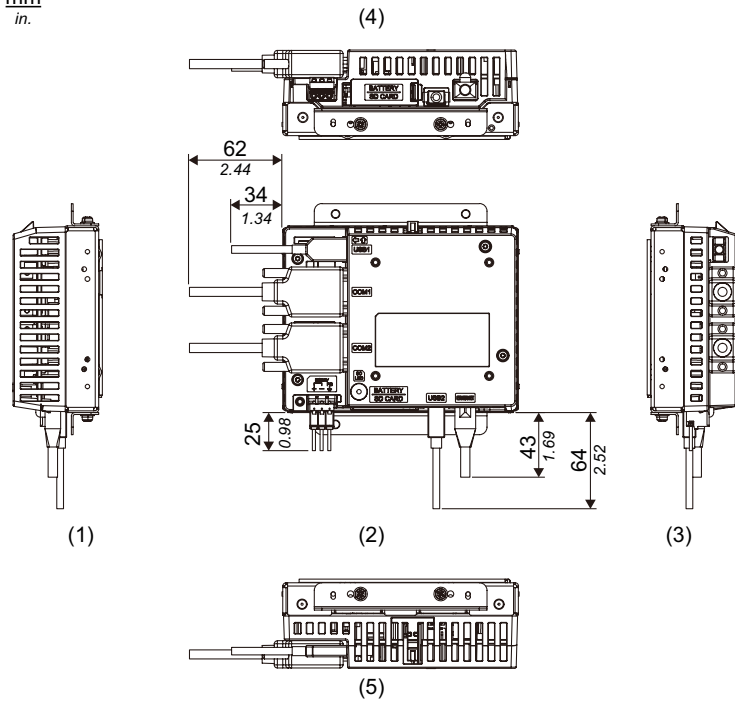


- 1 Right Side
- 2 Front
- 3 Left Side
- 4 Bottom
- 5 Top

<Resin Boss Type/ Standard Mount and Flat Mount : PFXGP4301TADR>

Dimensions with Cables

mm  
in.



- 1 Right Side
- 2 Rear
- 3 Left Side
- 4 Bottom
- 5 Top

**NOTE:** All the above values are designed with cable bending in mind. The dimensions given here are representative values depending on the type of connection cable in use. Therefore, these values are intended for reference only.