

Installing the cover on the Display increases its water and chemical resistance. Before using the product, be sure to read this guide carefully and follow the instructions.

Display Unit	GP-4200 Series	GP-4300 Series	GP-4400 Series	GP-4500 Series ¹	GP-4600 Series
Environment Cover	3.5"	5.7"	7.0/7.5"	10.4"	12.1"
Model Number/Global Code	PFXZCBOP41	PFXZCBOP61	PFXZCBOP71	PFXZCBOP101	PFXZCBOP121

*1 Please use "12.1-inch Environment Cover" for GP-4501TW (10.4-inch model).

Package Contents

- (1) Environment Cover (1)
- (2) Installation Guide (1) <This Guide>

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

Specifications

General Specifications

	3.5"	5.7"	7.0/7.5"	10.4"	12.1"
Structure	IP67f NEMA #250 TYPE 4X/13 (on the front panel when properly installed in an enclosure)				
Material	Rubber part: NBR (Nitrile butadiene rubber), Sheet: PET (Polyethylene terephthalate)				
Weight	60 g (0.13 lb)	80 g (0.18 lb)	110 g (0.24 lb)	130 g (0.29 lb)	155 g (0.34 lb)

Oil and Chemical Resistant Performance

Chemicals	Sheet	Rubber Part	Chemicals	Sheet	Rubber Part
Nitric acid 10%	O	O	Hydrogen peroxide 3%	O	O
Sulfuric acid 30%	O	X	Phenol	X	O
Sulfuric acid 37%	X	X	Acetone	X	O
Hydrochloric acid	O	O	Ethyl alcohol	O	O
Phosphoric acid	O	O	Methyl alcohol	O	O
Sodium carbonate 10%	O	O	Glycerin	O	O
Ammonium	X	O	Toluene	X	X
Potassium hydroxide	X	O	Tetrahydrofuran	X	O
Sodium hydroxide 10%	X	O	Cottonseed oil	O	O
Acetic acid	O	O	Mineral oil	O	X
Carbontetrachloride	X	X	Lead-free Gasoline	O	X
Trichloroethylene	X	X			

O : Pass X : Fail

Information regarding chemical resistance is provided by the material's manufacturer. This does not mean the level of protection is suitable for all conditions and environments. When using this product, examine your specific requirements and check if the level of conformity is suitable for your needs.

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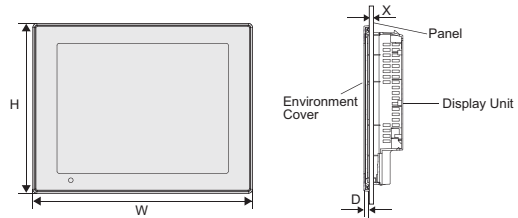
Test Results

The following was confirmed after the Environment Cover was left immersed for 2,000 hours.

Item	Product name	Shape and appearance	Adhesion of PET sheet	Applicability
Water-insoluble cutting fluid	IRM903 (Japan Sun Oil Co. Ltd.)	No issues	No issues	Applicable
	DAICUTOL 152K (Daido Chemical Industry Co., Ltd.)	No issues	No issues	Applicable
	YUSHIRON OIL CL35 (Yushiro Chemical Industry Co., Ltd.)	No issues	No issues	Applicable
Water-soluble cutting fluid	SYNTILO 9930 (BP JAPAN Co., Ltd.)	No issues	No issues	Applicable
	NORITAKE COOL CG-50P (KYODO YSHI Co., Ltd.)	No issues	No issues	Applicable

Dimensions

The following drawing shows a Display Unit with the Environment Cover.



		3.5"	5.7"	7.0/7.5"	10.4"	12.1"
		PFXZCBOP41	PFXZCBOP61	PFXZCBOP71	PFXZCBOP101	PFXZCBOP121
External Dimensions	W	141.5 mm (5.57 in.)	179 mm (7.05 in.)	227.5 mm (8.96 in.)	282 mm (11.10 in.)	324.5 mm (12.78 in.)
	H	115.5 mm (4.55 in.)	146.5 mm (5.77 in.)	182.5 mm (7.19 in.)	224 mm (8.82 in.)	250.5 mm (9.86 in.)
	D	11 mm (0.43 in.)	11 mm (0.43 in.)	11 mm (0.43 in.)	11 mm (0.43 in.)	11 mm (0.43 in.)
Panel Thickness	X	1.6...3.2 mm (0.06...0.13 in.) (With the Environment Cover attached, the panel thickness range is narrower.)				

Installation

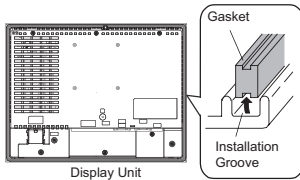
WARNING

HAZARD OF ELECTRIC SHOCK

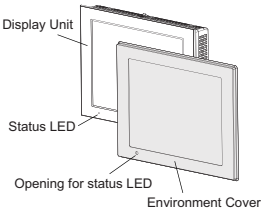
Installing the Environment Cover while powering the Display Unit may lead to an electric shock. Prior to installing the Environment Cover, confirm the Display Unit's power supply is disconnected.

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

- Place the Display Unit on a flat, level surface with the display face downward and remove the gasket from the Display Unit.

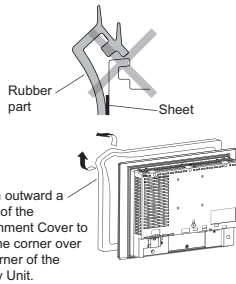


- Align the Environment Cover with the Display Unit so that the status LED of the Display Unit can be seen through the opening on the Environment Cover.

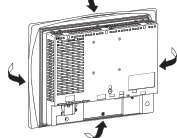


- Hook a corner of the Environment Cover on a front corner of the Display Unit.

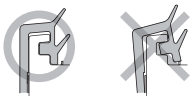
Note: When attaching the Environment Cover on the Display Unit, do not pull or bend the Environment Cover with excessive force. The rubber portion may tear or the sheet may peel off.



- Starting with the corner of the Environment Cover hooked over one corner of the Display Unit, fit the Environment Cover into the Display Unit's installation groove.



NOTE: Check the entire perimeter of the Environment Cover to ensure it is securely fit into the installation groove.



- Mount the Display Unit to the panel. For details on how to mount the Display Unit to the panel, refer to the Display Unit's hardware manual.

Note: You can download the manual from our website "Otasuke Pro!" at <http://www.pro-face.com/otasuke/>.

NOTICE

PRODUCT DAMAGE

- The Environment Cover will degrade. In order to keep constant the water-resistant and oil-resistant properties, regularly replace the Environment Cover with a new one. (Replace annually or when stains or scratches become obvious.)
- If you remove a Display Unit with the Environment Cover from a panel after a long period of use, do not reattach the Display Unit Environment Cover to the panel. Doing so will diminish the intended effects of the water-resistant and oil-resistant properties.
- Avoid touching the Environment Cover with sharp objects (such as mechanical pencils or screw drivers) as they will damage the product.
- When cleaning the Environment Cover, do not use bleaches, thinners, organic solvents or corrosive chemicals. Deformation or discoloration may result.
- When attaching the Environment Cover on the Display Unit, do not pull or bend the Environment Cover with excessive force. The rubber part may break or the sheet may peel off.
- Do not store or use the Environment Cover in direct sunlight.
- If the Environment Cover becomes dusty, wipe clean with a damp cloth.
- Do not attach or detach the Environment Cover frequently. Doing so can degrade its water, oil and chemical resistant performance.
- This product is not suitable for all user environments. Do not use this product where it is exposed to oil or chemicals for long periods of time, or where oil mist fills the air.
- Use on a flat surface of a Type 1, Type 4X (Indoor Use Only) or Type 13 Enclosure.

Failure to follow these instructions can result in equipment damage.

NOTE: When disposing the product, do so according to your country's regulations for similar types of industrial waste.

Note: Be aware that the Digital Electronics Corporation shall not be held liable for any real or estimated damages or losses, or third party claims resulting from the use of this product.