

EZ LAN Adapter Installation Guide

This product is a conversion adapter that attaches to the USB (Type A) interface on the display unit so you can use it as an Ethernet interface. This product supports GP 4000 Series and GP4000R Series (both are UL-certified).

Safety Precautions

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

⚠ DANGER

POTENTIAL FOR EXPLOSION

- Suitable for use in Class I, Division 2, Groups A, B, C, D or non-hazardous locations only.
- Substitution of any components may impair suitability for Class I, Division 2.
- Do not connect or disconnect this product unless power has been switched off or the area is known to be non-hazardous.

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

⚠ DANGER

HAZARD OF ELECTRIC SHOCK OR EXPLOSION

- Do not disassemble or remodel this product in any way. Doing so may cause an electric shock or fire.
- Do not use this product in areas where flammable gases are present. Doing so may cause an explosion.
- Do not allow water to enter the connector. Do not touch the connector with wet hands. Doing so may cause an electric shock.

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

The information in this document is subject to change without notice.
Copyright © 2017.6 Digital Electronics Corporation. All Rights Reserved.
QGH29096 02 Printed in
Digital Electronics Corporation
Schneider Electric Osaka Building,
4-4-9 Kitahama, Chuo-ku, Osaka 541-0041 JAPAN
<http://www.pro-face.com/>

⚠ WARNING

UNINTENDED EQUIPMENT OPERATION OR LOSS OF CONTROL

- Do not use or store this product at temperatures outside the range specified in this guide.
- Do not use or store this product in direct sunlight or excessively dusty or dirty environments.
- Do not use or store this product in an environment where it may be exposed to chemical vapors or fumes.

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

NOTICE

LOSS OF COMMUNICATION

Do not connect or disconnect this product during communication. Doing so may cause a communication error.

Failure to follow these instructions can result in equipment damage.

NOTE: When disposing of this product, follow your country's regulations for similar types of industrial waste.

Package Contents

- (1) EZ LAN Adapter (PFXZCGEUE1) x 1
- (2) Attachment screws (M3) x 2
- (3) Installation guide (this document)

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



Pro-face

by Schneider Electric

General Specifications

■ General Specifications

Connector type	Ethernet I/F	Modular jack (RJ-45), IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX
	USB I/F	Type A (plug), USB 2.0 High-Speed (480 Mbps)

■ Electrical Specifications

Power supply	Rated input voltage	5 Vdc (powered from USB bus)
	Input voltage limits	4.75...5.25 Vdc
	Power consumption	0.63 W or less

■ Environmental Specifications

Physical environment	Ambient air operating temperature	0...55 °C (32...131 °F)
	Storage temperature	-20...60 °C (-4...140 °F)
	Ambient air and storage humidity	10...90% RH (non condensing, wet bulb temperature 39 °C [102.2 °F] or less)
	Dust	0.1 mg/m ³ (10 ⁻⁷ oz/ft ³) or less (non-conductive levels)
	Pollution degree	For use in Pollution Degree 2 environment
	Atmospheric pressure (Operating altitude)	800...1,114 hPa (2,000 m [6,561 ft] or lower)
Mechanical environment	Vibration resistance	IEC/EN 61131-2 compliant 5...9 Hz Single amplitude 3.5 mm (0.14 in) 9...150 Hz Fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approximately 100 minutes)
	Concussion resistance	IEC/EN 61131-2 compliant (147 m/s ² , X, Y, Z directions for 3 times)
Electrical environment	Electrical fast transient/burst	IEC 61000-4-4 2 kV: Power port (display unit) 1 kV: Signal ports
	Electrostatic discharge immunity	Contact Discharge Method: 6 kV Air Discharge Method: 8 kV (IEC/EN61000-4-2 Level 3)

■ External Specifications

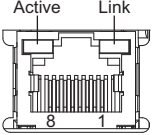
External dimensions (W x H x D)	105 x 40 x 27 mm (4.13 x 1.57 x 1.06 in)
Cable length	0.5 m (1.64 ft) (including connections)
Weight	100 g (0.22 lb) or less

NOTE:

- Extending the length of the USB cable can degrade (weaken) signals, causing the potential for errors. Do not extend the cable.
- Use only the SELV (Safety Extra-Low Voltage) circuit to connect the USB and Ethernet interface.

Interface

■ Ethernet Interface

Pin Arrangement	Pin #	Signal Name		Meaning
	1	TX+	Output	Send Data (+)
	2	TX-	Output	Send Data (-)
	3	RX+	Input	Receive Data (+)
	4	NC	-	No connection
	5	NC	-	No connection
	6	RX-	Input	Receive Data (-)
	7	NC	-	No connection
	8	NC	-	No connection
	Shell	FG	-	Functional Ground (common with SG)

NOTE:

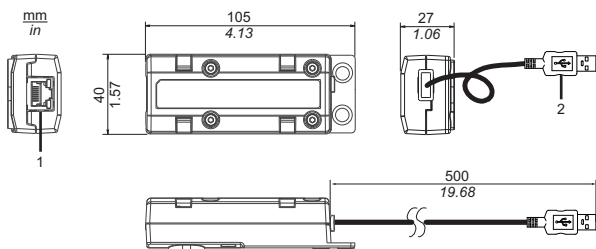
- The SG (signal ground) and FG (functional ground) terminals are connected internally in this product.
- Use an STP Ethernet cable and appropriately handle the shield wire.

Status LED

For the location of LEDs, refer to the figure in the "Interface" section.

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 error

Dimensions



1 Ethernet Interface (Device/PLC side)

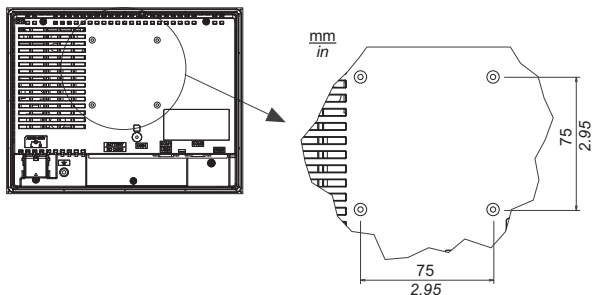
2 USB Connector (display unit side)

Attachment Method

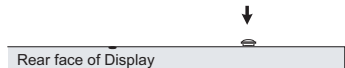
NOTE: Attach this product to the panel when the display unit does not have screw holes on its rear side as shown in the image below.

■ Attaching directly to the Display Unit

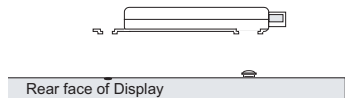
When attaching this product on the rear side of the display unit, among the 4 screws shown in the diagram below, use 2 horizontally positioned or 2 vertically positioned screws to attach this product. If the display unit already has an attachment, it may restrict the direction in which you can place this product.



1) Using a Phillips screwdriver, attach one screw (M3) to the display unit's rear side. Use a torque of 0.5 N•m (4.4 lb-in).



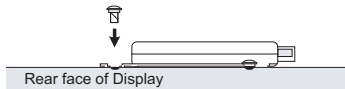
2) Attach this product to the display unit.



3) Slide this product in the direction of the arrow so it is hooked by the screw from step 1.



4) Fix this product in place with another screw. Use a torque of 0.5 N•m (4.4 lb-in).

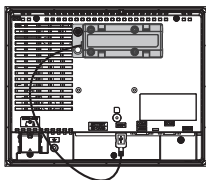


NOTE:

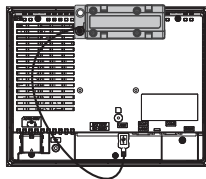
- When attaching this product to the display unit, be careful with the attachment position.
- Attach this product to a stable surface. Do not leave it hanging by its cord.
- Be careful with wire placement. If this product's cable overlaps with other cables, excessive noise could cause a malfunction.
- Install this product in an enclosure with mechanical rigidity.
- This product is not designed for outdoor use. UL certification obtained is for indoor use only.

- Make sure this product is placed inside the edges of the display unit.

Correct

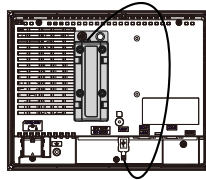


Incorrect

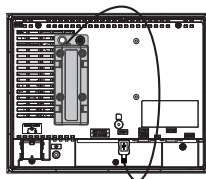


- Do not place this product over the slits.

Correct



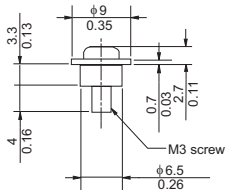
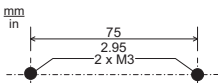
Incorrect



■ Attaching to a place other than the Display Unit

When attaching this product to a panel other than the main body of the display unit, attach it at the two points identified in the diagram below. Drill holes suitable for screws as shown in the diagram. For attachment information, refer to "Attaching directly to the Display Unit".

NOTE: This product is not approved as an enclosure. When building this product into an end-use product, be sure to use an enclosure that satisfies standards as the end-use product's overall enclosure.



Cleaning this product

NOTICE

EQUIPMENT DAMAGE

- Power off this product before cleaning it.
- Do not use paint thinner, organic solvents, or a strong acid compound to clean the unit.

Failure to follow these instructions can result in equipment damage.

When this product gets dirty, soak a soft cloth in water with a neutral detergent, wring the cloth tightly and wipe this product.

CE Marking

- This product is a CE marked, EMC compliant product. This product also conforms to EN61000-6-4, EN61000-6-2 directives.

KC Marking

사용자안내문

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

The following message is for UL Hazardous Locations.

⚠ DANGER

RISQUE D'EXPLOSION

- Le remplacement de n'importe quel composant peut nuire à la conformité à la Classe I, Division 2.
- Avant de déconnecter l'équipement, couper le courant ou s'assurer que l'emplacement est désigné non dangereux.

Le non-respect de ces instructions provoquera la mort ou des blessures graves.

Inquiry

If you experience difficulties or have questions about this product, please contact us any time.

You can access our support site whenever you need help with a solution.


<http://www.pro-face.com/trans/en/manual/1001.html>

Note

Please be aware that Digital Electronics Corporation shall not be held liable by the user for any damages, losses, or third-party claims arising from the use of this product.

中国 RoHS 相关资料

(本资料是中国 RoHS 的必备资料。) (This information is essential for China RoHS.)

 部件名称 (Part Name)	有害物质 Hazardous Substances					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 Metal parts	○	○	○	○	○	○
塑料部件 Plastic parts	○	○	○	○	○	○
电子件 Electronic	×	○	○	○	○	○
触点 Contacts	○	○	○	○	○	○
线缆和线缆附件 Cables & cabling accessories	○	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。
 ○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。
 ×：表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。
 This table is made according to SJ/T 11364.
 ○：Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.
 ×：Indicates that concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.