



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Digital Electronics Corporation 4-4-9, Kitahama, Chuo-ku, Osaka 541-0041, Japan
PLACE OF PRODUCTION	Wuxi Pro-face Electronics Co., Ltd. No.20, Hanjiang Road, Wuxi New District, Wuxi, Jiangsu, 214028, P/R/China
DESCRIPTION	Human Machine Interface
TYPE	SP5000 & FP5000 Series comprising:- PFXSP5500TPD : Display unit that enable to use with box unit, 10.4-inch TFT, 16M colors, SVGA 800 x 600 pixels, Analog Touch Panel (Multi touch), Front USB A/mini-B I/F x 1 each, DC12-24 V PFXSP5600TPD : Display unit that enables to use with box unit, 12.1-inch TFT, 16M colors, XGA 1024 x 768 pixels, Analog Touch Panel (Multi touch), Front USB A/mini-B I/F x 1 each, DC12-24 V PFXSP5660TPD : Display unit that enables to use with box unit, 12.1-inch TFT, 16M colors, XGA 1024 x 768 pixels, Analog Touch Panel (Multi touch), Wireless LAN, Front USB A/mini-B I/F x 1 each, DC12-24 V

Certificate No.	15/10027
Issue Date	04 September 2015
Expiry Date	03 September 2020
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S. Fujii
Yokohama Technical Support Office
Lloyd's Register Group Limited

*Lloyd's Register Group Limited
71 Fenchurch Street, London EC3M 4BS*

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Type(contined)	PFXSP5700TPD	: Display unit that enables to use with box unit, 15-inch TFT, 16M colors, XGA 1024 x 768 pixels, Analog Touch Panel (Multi touch), Front USB A/mini-B I/F x 1 each, DC12-24 V
	PFXSP5400WAD	: Display unit that enables to use with box unit, 7.0-inch Wide TFT, WVGA 800 x 480 pixels, Analog Touch Panel, DC12-24 V
	PFXSP5500WAD	: Display unit that enables to use with box unit, 10.1-inch Wide TFT, WXGA 1280 x 768 pixels, Analog Touch Panel, DC12-24 V
	PFXSP5600WAD	: Display unit that enables to use with box unit, 12.1-inch Wide TFT, WXGA 1280 x 768 pixels, Analog Touch Panel, DC12-24 V
	PFXSP5B10	: Box unit that enables to use with display unit, Ethernet I/F x 2, COM I/F x 2, USB A I/F x 2, USB mini-B I/F, SD Card I/F x 2, AUX I/F, Expansion Unit I/F, DC12 V from display unit

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Type(contined)	PFXSP5B40	: Box unit that enables to use with display unit, Ethernet I/F x 2, COM I/F x 2, USB A I/F x 3, USB mini-B I/F, CFast Card I/F x 2, SD Card I/F, AUX I/F, Expansion Unit I/F, DVI-D Out I/F, Audio In I/F, DC12 V from display unit
	PFXFP5600TPD	: Flat panel display unit, 12.1-inch TFT, 16M colors, XGA 1024 x 768 pixels, Analog Touch Panel (Multi touch), Front USB A I/F, DVI-D In I/F, USB B I/F, DC12-24 V
	PFXFP5700TPD	: Flat panel display unit, 15-inch TFT, 16M colors, XGA 1024 x 768 pixels, Analog Touch Panel (Multi touch), Front USB A I/F, DVI-D In I/F, USB B I/F, DC12-24 V

APPLICATION Marine and offshore applications for use in environmental categories ENV1, ENV2 & ENV3 in the "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2013 where the Test Specification is satisfactory for the intended operation.

DESIGN CODE STANDARD Manufacturer's Specification
IEC 61131-2 : 2007

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Group Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 15/10027 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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