SP-5400WA Advanced Display

Features:
- WVGA Display TFT Touch Panel
- 262,144 colors
- 12-24 Vdc input voltage
- 0-60C operating temperature
- Compatible with power or open box modules
- Embedded mounting clips for easy installation

TFT Premium Display

SP-5400WA
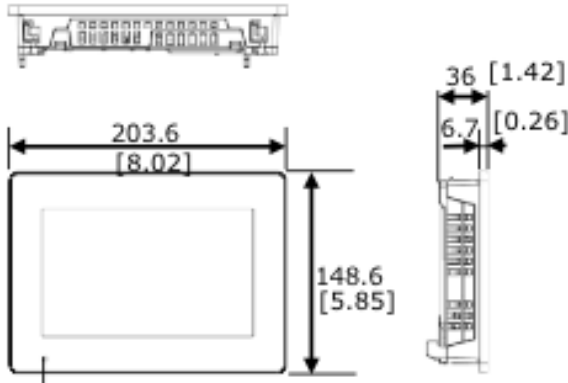
| WVGA |
| TFT |

7 -inch

Model: SP5000 Series,
PFXSP5400WAD , PFXSP5400WADF0C

WVGA
(800 x 480)

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UL508 UL508 ANSI/ISA 12.12.01

Performance Specifications

Model	SP-5400WA	
Part Number	PFXSP5400WAD	PFXSP5400WADF0C
Graphics Display Resolution	800 x 480 pixels (WVGA)	
Display Type and Size	TFT Color LCD 7"	
Display Colors	262,144 colors	
Effective Display Area	W154.1 x H95.9 mm(W6.06 x H3.78 in.)	
Touch Screen	Resistive film (analog)	
Backlight	White LED (Not user replaceable. When replacement is required, contact your local distributor.)	
Backlight Service Life	50,000 hours or more (continuous operation at 25 °C [77 °F] before backlight brightness decreases to 50%	
Brightness	Max.:400cd(Typ)Min.:4cd(Typ) 0...100 (Adjusted with touch panel or software)[1]	

[1] The maximum and minimum brightness Value is the reference Value, because there are individual differences by the liquid crystal.
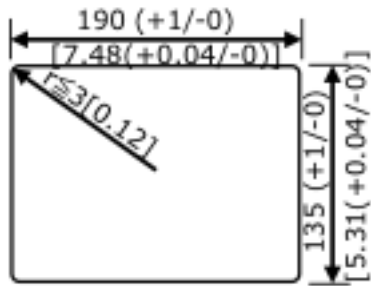
General Specifications

Models	SP-5400WA	
Part Number	PFXSP5400WAD	PFXSP5400WADF0C
Conformal Coating	-	Yes
Input Voltage	12-24 Vdc (limits 10.8 -29.9 Vdc)	
Voltage Drop	12 Vdc: 1.25 ms or less/ 24 Vdc: 5 ms or less	
In-Rush Current	30 A or less	
Voltage Endurance	1,000 Vac, 20 mA for 1 minute (between charging and FG terminals)	
Insulation Resistance	500 Vdc, 10 MΩ or more (between charging and FG terminals)	
Power Consumption [1]	6.5W (max), 2 or less (When screen turns off the backlight (Standby Mode), 4W or less (when screen backlight 20%)	
Surrounding Air Temerpature	0...60 °C [32...140 °F]	
Storage Temperature	-20...60 °C [-4...140 °F]	
Certifications	CE, RoHS, GOST-R, UL/c-UL, KC	
Ratings[2]	IP66F, IP67F, TYPE 4X (Indoor Use Only)/13 (on the front panel when properly installed in an enclosure), ANSI/ISA 12.12.0 1, UL508, EN61000-6-4, EN61000-6-2, Class 1 Div 2 Groups A, B, C, and D	
Surrounding Air and Storage Humidity	10%...90% RH (Non condensing, wet bulb temperature 39 °C [102.2 °F] or less)	
Dust	0.1 mg/m3 (10-7 oz/ft3) or less (non-conductive levels)	
Pollution Degree	For use in Pollution Degree 2 environment	
Corrosive Gas	Free of corrosive gases	
Atmospheric Pressure (Operating Altitude)	800...1,114 hPa (2,000 m [6,561 ft] or lower)	
Vibration and Shock Resistance	IEC/EN 61131-2 compliant	
Electrostatic Discharge Immunity	Contact Discharge Method: 6 kV (IEC/EN 61000-4-2 Level 3)	
Weight[5]	1.2kg (2.6 lb) or less	
External Dimensions[3]	W203.6 x H148.6 x D36 mm(W8.02 x H5.85 x D1.42 in.)	
Panel Cut Dimensions	W190 x H135 mm(W7.48 x H5.31 in.)[4] Panel thickness area:1.6...5 mm (0.06...0.2 in.)	
Warranty		

[1] Power Consumption for Display Module only. [2] The front face of this product, installed in a solid panel, has been tested using conditions equivalent to the standard shown n the specification.) [3] When combined with Box Module, the depth is 67mm (2.64 in.). [4] For dimensional tolerance, everything +1/0 mm (+0.04/ 0 in.) and R in angle are below R3 (R0.12 in.) [5] Weight for Display Module only

External Dimensions

36 [1.42]

6.7 [0.26]

203.6 [8.02]

148.6 [5.85]

Ordering Information

Type	Model Numbers	Description
SP-5400WA	PFXSP5400WAD	7-inch TFT, 262,144 colors, WVGA 800 x 480 pixels, Analog Touch Panel,
SP-5400WA with Conformal Coating	PFXSP5400WADF0C	7-inch TFT, 262,144 colors, WVGA 800 x 480 pixels, Analog Touch Panel, with conformal coating

Options

Part Number	Product Name	Description
PFXZCDAT72	Panel Cutout Adapter	Panel cutout adapter for mounting SP-5400WA in cutout for GP-2400, GP-3400, and GP-4400 Series
PFXZCDWG72	7.0-inch Wide Installation Gasket	Provides dust and moisture resistance when SP is installed into a solid panel (1 piece)
PFXZCDDS72	7-inch Wide Screen Protection Sheet.	Disposable, dirt-resistant sheet for SP unit's screen (5 sheets/set)

Panel-Cut Out Dimensions

190 (+1/-0) [7.48(+0.04/-0)]

r≦3[0.12]

135 (+1/-0) [5.31(+0.04/-0)]

Panel thickness area: 1.6...5 [0.06...0.2] [6]

[6] Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of this product and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.
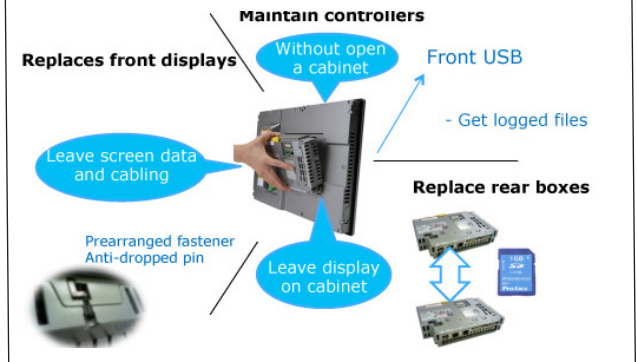
Modular Design and Easy Maintenance

Maintain controllers

Replaces front displays

Without open a cabinet

Front USB

- Get logged files

Leave screen data and cabling

Replace rear boxes

Prearranged fastener Anti-dropped pin

Leave display on cabinet

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