



PFXSTW6200WAD

Standard product information

Electrical specifications

Interface specifications

Dimensions

Display specifications

Environmental specifications

Structural specifications

Standard product information

Family	Web HMI
Series	STW6000 Series
Size	4" Wide
Model	PFXSTW6200WAD
Global Code	PFXSTW6200WAD

Display specifications

Display type	TFT Color LCD
Display size	4.3" Wide
Resolution	480 x 272 pixels
Effective display area	W95.04 x H53.86 mm [W3.74 x H2.12 in]
Display colors	16 million colors *1
Backlight	White LED (Not user replaceable. When replacement is required, contact your local distributor.)


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Brightness control	16 Levels (Adjusted with touch panel)
Touch panel type	Resistive Film (analog, single-touch)
Touch panel resolution	1,024 x 1,024
Touch panel lifetime	1,000,000 times or more

*1 For details about Display colors, refer to the manual for your screen editing software.

Electrical specifications

Rated input voltage	24 Vdc
Input voltage limits	19.2 to 28.8 Vdc
Allowable voltage drop	2 ms or less
Power consumption	Max. 6.9 W When power is not supplied to external devices: 3.6 W or less When screen turns off the backlight (standby mode): 2.8 W or less
In-rush current	30 A or less
Voltage endurance	1,000 Vac, 20 mA for 1 minute (between power terminal and FG terminals)
Insulation resistance	500 Vdc, 10 MΩ or more (between power terminal and FG terminals)

Environmental specifications

International safety standards	      
Surrounding air temperature	0 to 50 °C [32 to 122 °F]
Storage temperature	-20 to +60 °C [-4 to 140 °F]
Dust	0.1 mg/m ³ (10 ⁻⁷ oz/ft ³) or less (non-conductive levels)



Air pressure (altitude range)	800 to 1,114 hPa (2,000 m [6,561 ft.] above sea level or less)
Vibration resistance	IEC/EN 61131-2 compliant 5 to 9 Hz single amplitude 3.5 mm [0.14 in.] 9 to 150 Hz fixed acceleration: 9.8 m/s ² X, Y, Z directions for 10 cycles (approx. 100 min.)
Concussion resistance	IEC/EN 61131-2 compliant 147 m/s ² , X, Y, Z directions for 3 times
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)

Interface specifications

USB (Type A)	Conforms to USB 2.0 (Type A) x 1 Power supply voltage: 5 Vdc ±5 % Output Current: 500 mA or less Communication distance: 5 m [16.4 ft.] or less
USB (micro-B)	--The USB (micro-B) interface is disabled.
Ethernet	IEEE802.3i / IEEE802.3u, 10BASE-T / 100BASE-TX, Connector: Modular jack (RJ-45) x 1

Structural specifications

Grounding	Functional grounding: Grounding resistance of 100 Ω, 2mm ² (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)
Cooling method	Natural air circulation
Structure	IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure) ^{*1}
External dimensions	W134.5 x H108.5 x D43 mm [W5.3 x H4.27 x D1.69 in.]

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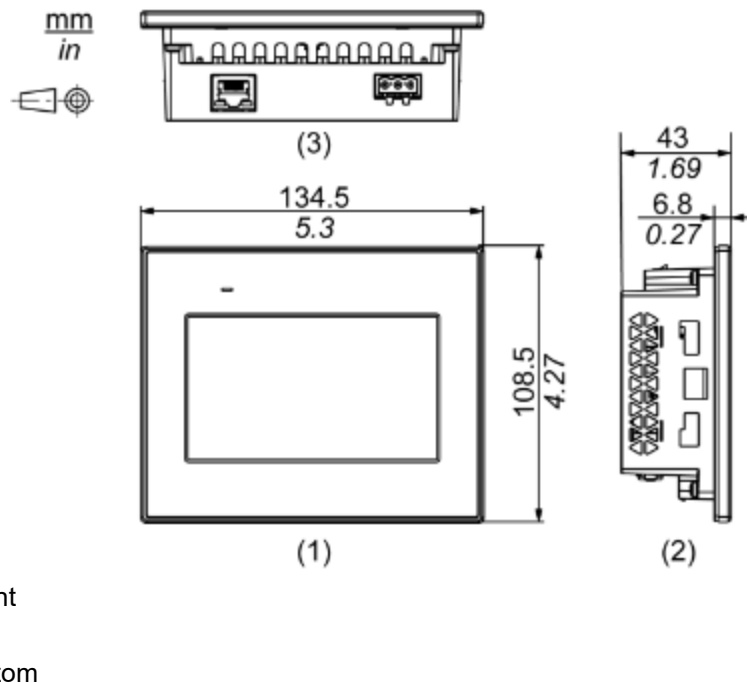
	Position 1: 1.5 to 4 mm [0.06 to 0.16 in.] Position 2: 4 to 6 mm [0.16 to 0.24 in.]* ²
Weight	0.4 kg [0.88 lb] or less

*1 For dimensional tolerance, everything +1/-0 mm (+0.04/-0 in) and R in angle are below R3 (R0.12 in)

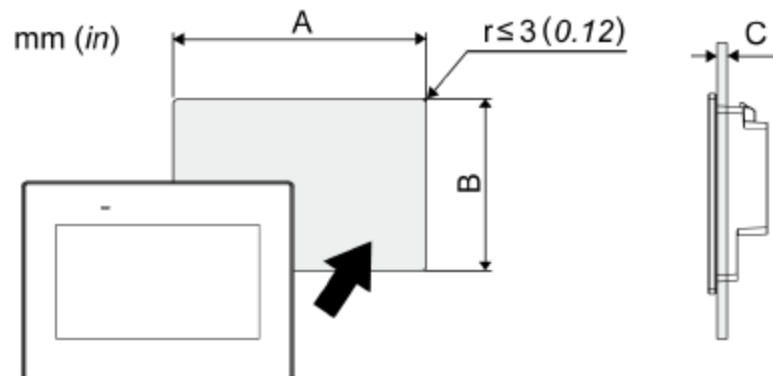
*2 For dimensional tolerance, everything $+1/-0$ mm [$+0.04/-0$ in.] and R in angle are below R3 [R0.12 in.]. Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of GP unit and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.

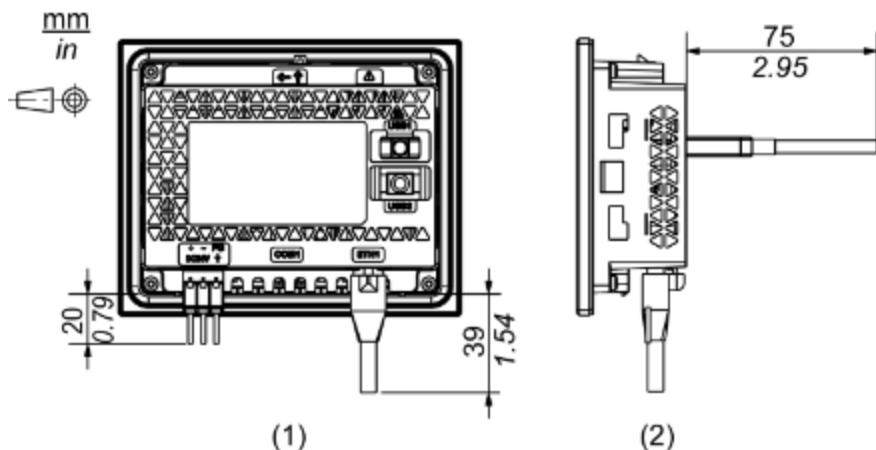
Dimensions

External dimensions



Panel cut-out dimensions



	(4.67 in. [+0.04/0 in.])	(5.04 in. [+0.04/0 in.])	(0.06 to 0.2 in.)
External dimensions with cable	 <p>Technical drawings of the device showing external dimensions with cable. Drawing (1) is the rear view, showing a square device with a central display area and various ports and connectors. Dimensions include a width of 20 mm (0.79 in.) and a height of 39 mm (1.54 in.). Drawing (2) is the right side view, showing the device's profile and a cable extending from the side. Dimensions include a width of 75 mm (2.95 in.).</p> <p>1. Rear 2. Right</p>		



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Edge Box	HMI Centric Architecture	BLUE	Overview & History
Industrial PC(IPC)	Success Story	BLUE Open Studio	Brand Initiatives
Advanced HMI	Industry Segment Solution	GP-Pro EX	News
Basic HMI	Solution Search	Support	News
Software		Downloads	
Flat Panel Monitors		Knowledge Base (FAQs)	
Other Hardware		Inquires	
Disft-continued Products &			
Substitutes			
Customization and			
Services			

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