

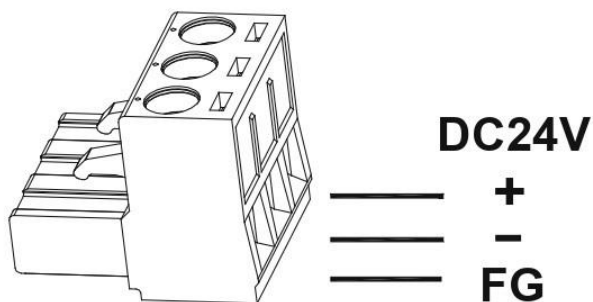


P5070B

HMI with 7" TFT LCD display

- Cortex 1GHz Processor
- Built-in Power Isolation
- Built-in PLC Expansion function
- PCB coating for Stability in Harsh Environment
- Fan-less Design for Cooling Method
- High Noise Immunity Design for Industrial Application

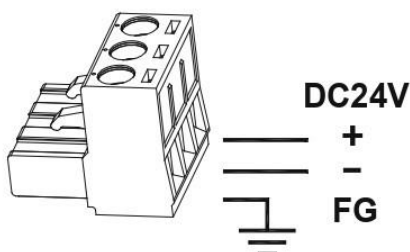
	Model	P5070SB		P5070NB	P5070ZB
Display	Panel Size	7.0" TFT (16:9)			
	Panel Resolution	800 x 480			
	Brightness	400 (cd/m ²)			
	Contrast Ratio	500			
	Backlight Type	LED			
	Backlight Life Time	>30,000 Hrs.			
	Colors	16.7M			
	LCD Viewing Angle	70/50/70/70 (T/B/L/R)			
Touch	Type	4-wire Resistive Type			
	Accuracy	X axis±2%; Y axis±2%			
Memory	Flash	eMMC 4GB			
	RAM	512MB			
System	CPU	64 bit RISC Cortex-A55 1GHz			
	RTC	Yes			
Dimension /Weight	Dimensions W x H x D	184.0 x 139.0 x 35.0 (mm)			
	Cut-out	175.0 x 130.0 (mm)			
	Weight	465 (g)	485 (g)		505 (g)
I/O Port	Serial 1 (DB-9)	COM1 : RS-232 (2W) COM3 : RS-422 (4W) *optional, shared with Terminal Block COM3			
	Serial 2 (Terminal Blocks)	COM3 : RS-422/485 (4W) COM4 : RS-485 (2W)			
	RS-422/485 Isolation	-			
	Ethernet	-	10M / 100M		10M / 100M
	USB HOST	USB2.0 * 1 (USB Type A)			
	USB Device	USB2.0 * 1 (USB Type C)			
	Micro-SD Slot	-	-		Yes
	Audio Output	-			
	Video Input	-			
	Termination Switch	Yes			
I/O Extension	PLC Extension	Yes			
	HMI Extension	Yes			
	Wireless Module	Yes			
Power	Power Input Range	14 ~ 32VDC			
	Power Isolation	Yes			
	Isolation Resistance	Exceed 50MΩ at 500VDC			
	Power Consumption	8.5W (@24VDC)	9.0W (@24VDC)		9.5W (@24VDC)
Environment	Protection Structure	Front panel : IP65 / Rear Case : IP20			
	PCB Coating	Yes			
	Operating Temp	0~50°C			
	Storage Temp	-20 ~ 60°C			
	Relative Humidity	10%~90% (40°C Non-condensing)			
	Withstand Voltage	500VAC/20mA/1 Min. (between charger & FG terminals)			
	Vibration Endurance	5 to 9Hz Half-amplitude: 3.5mm ; 9 to 150 Hz Constant acceleration: 19.6m/s2 (2G) ; 3 directions of X, Y, Z : 10times (IEC61131-2 complaints)			
Software	FvDesigner V1.7 or later versions				
Certification	CE , UL				



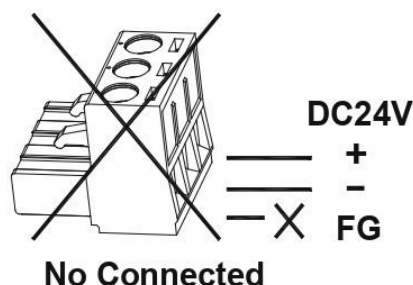
- Be sure to connect the ground FG terminal to a class-3 ground (Ground resistance should not exceed 100Ω). Try to make the ground wire as short as possible.
- Use 22 – 14 AWG (0.6 – 1.5 mm²) wire for the power connections.

 Caution	Please use solid wires between 22AWG and 14AWG. Maximum 300V and rated temperature to 105°C for input power pins.
 Caution	Make sure the HMI is properly grounded to prevent electrical shock, fire or malfunction.

Recommended



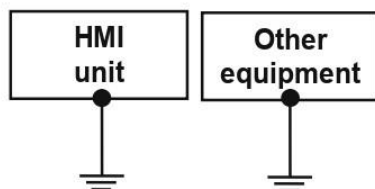
Prohibited



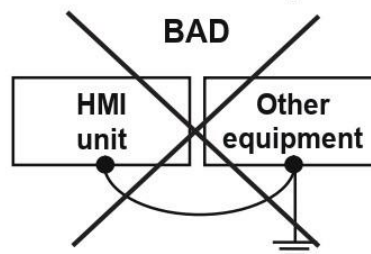
No Connected

- HMI unit and other equipment should have the same electrical grounding (reference voltage level), otherwise communication errors may occur.

GOOD



BAD



Operation

- Do not use sharp objects or excessive force to press the touch screen. This may damage the touch screen. Screen protector can be applied to the HMI screen to protect it from damage, for ordering information, please contact our sales department.
- Do not use the output signal of the device as any safety function or system emergency stop. It may result in personal injury or equipment damage if a malfunction of the touch occurs.

Maintenance and Service

- The agreed guarantee applies.
- Only qualified personnel should make repairs and perform maintenance.
- Disconnect the device from the power supply before carrying out cleaning or maintenance.
- Clean the front panel with a soft cloth and mild detergent.
- Please use original replacement spare parts or accessories.