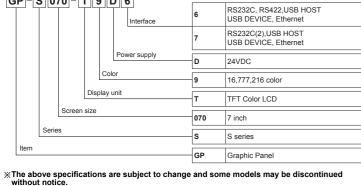
Autonics 7 inch TFT Color LCD type Graphic Panel **GP-S070** INSTRUCTION MANUAL **CE [§** Thank you for choosing our Autonics product. Please read the following safety considerations before use. Safety Considerations ×Please observe all safety considerations for safe and proper product operation to avoid hazards $\times \Delta$ symbol represents caution due to special circumstances in which hazards may occur. Warning Failure to follow these instructions may result in serious injury or death. **Caution** Failure to follow these instructions may result in personal injury or product damage. ▲ Warning 1. Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.) Failure to follow this instruction may result in fire, personal injury, or economic loss. 2. Use the unit within the rated specifications. Failure to follow this instruction may result in shortening the life cycle of the product or fire. 3. Do not connect, repair, or inspect the unit while connected to a power source. Failure to follow this instruction may result in fire. 4. Check 'Power Wiring' and 'Serial Interface' before wiring Failure to follow this instruction may result in fire. 5. In preparation for product damage, communication error, or malfunction, install external limit switch, emergency stop switch, or other protection circuit. Failure to follow this instruction may result in fire, personal injury, or economic loss. 6. Since Lithium battery is embedded in the product, do not disassemble or burn the unit. Failure to follow this instruction may result in fire. 7. Do not disassemble or modify the unit. Failure to follow this instruction may result in fire. 8. Please contact to us for battery replacement. ▲ Caution 1. Do not use the unit in the place where flammable/explosive/corrosive gas, humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present. Failure to follow this instruction may result in fire or explosion. 2. Use dry cloth to clean the unit, and do not use water or organic solvent. Failure to follow this instruction may result in electric shock or fire. 3. When connecting the power input, use AWG 23 cable or over and tighten the terminal screw with a tightening torque of 0.5 to 0.8N.m. Failure to follow this instruction may result in fire or malfunction due to contact failure. 4. Keep metal chip, dust, and wire residue from flowing into the unit. Failure to follow this instruction may result in fire or product damage. 5. Do not push over 2 point at the same time. Failure to follow this instruction may result in malfunction. Ordering Information GP-S 070-T 9 D 6 RS232C, RS422, USB HOST



We sure to follow cautions written in the instruction manual, user manual and the technical descriptions (catalog, homepage).

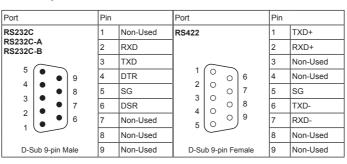
General specifica Model		GP-S070-T9D6	GP-S070-T9D7	
Power supply		24VDC		
Allowable voltage		90 to 110% of power supply		
range Power consumption				
Power consumption		max. r.2vv asynchronous method: each port of RS232C, RS422		
Serial interface		Each port of RS232C, RS422	Two ports of RS232C	
USB interface		Each of USB HOST, USB Device (version 1.1)		
Ethernet interface		IEEE802.3(U), 10/100Base-T		
		RTC embedded		
Battery life cycle		3 years at 25°C		
		Over 100MΩ (at 500VDC megger)		
		3rd grounding (max. 100Ω)		
Noise immunity		$\pm 0.5 \text{kV}$ the squre wave noise (pulse width: 1 μ s) by the noise simulator		
Withstanding voltage		500VAC 50/60Hz for 1 minute		
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 minute) in each X, Y, Z direction for 1 hour		
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz (for 1 minute) in each X, Y, Z direction for 10 minutes		
	Mechanical	300m/s ² (approx. 30G) in each X, Y, Z direction for 3 times		
Shock	Malfunction	100m/s ² (approx. 10G) in each X, Y, Z direction for 3 times		
Environ	Ambient temperature	0 to 50°C, storage: -20 to 60°C		
ment	Ambient humidity	35 to 85%RH, storage: 35 to 85%	RH	
Protecti	on structure	IP65 (front panel, IEC standard)		
Accessory		Fixing bracket: 4pcs, battery (included)		
Approva Weight ³				
≪Enviro	onment resist	ance is rated at no freezing or con		
	rmance spe	· ·		
Perfo		cifications		
Perfor Display	rmance spe	cifications		
Perfor Display	rmance spe v performance	cifications		
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Perfor Display LCD typ Resolut Display Color LCD vice Backlig Brightno Graphi Langua Text Number memory Number	rmance spe y performance be ion area area area w angle ht c drawing pe ge ^{×1} r of user / r of user scree	cifications TFT Color LCD 800×480 dot 152.4mm×91.44mm 16,777,216 color Within each 60°/45°/60°/60°of White LED Adjustable by software Fformance Korean, English • Vector font • 6×8, 8×8 ASCII • 8×16 ASCII character, 16×16 (1 to 8 times bigger for width, 16MB	top/bottom/left/right character, high quality view of number regional characters	
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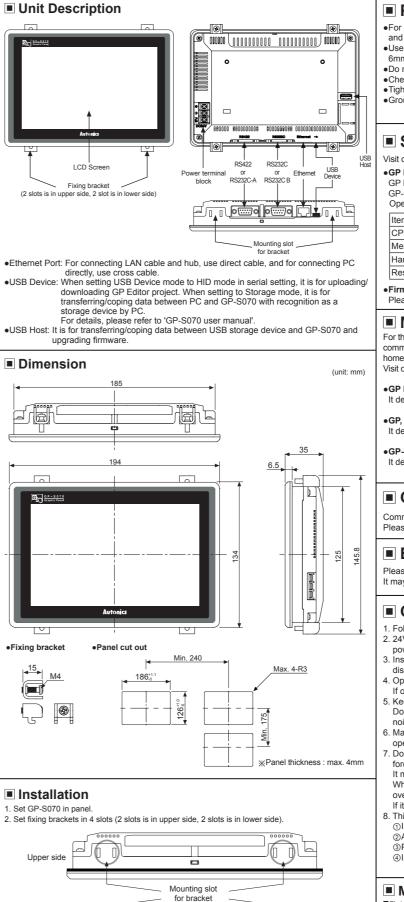


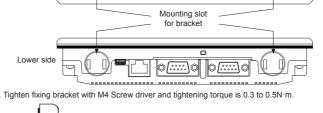
•All devices connectable into GP-S070 including PC, PLC, serial printer, barcode reader, and dedicated connectors can be connected in to both RS232C and RS422 ports. •Device must be set for the port in system setting for GP-S070.

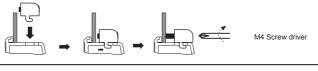
For details, please refer to 'GP-S070 user manual'

•For connecting external device such as PLC, refer to 'GP, LP user manual for communication'









24VDC

Visit our homepage (www.autonics.com) to download GP Editor or firmware. •GP Editor

GP Editor is for editing shape, arrangement, default of tag data which is displayed on GP-S057 screen. For GP Editor software, computer specification is as below. Operating system: Windows XP/7/8/10

Item	Minimum specification	Recommended specification
CPU	Pentium 4 or above	Pentium Dual Core
Memory	256MB	512MB
Hard disk	1GB (available space)	2GB (available space)
Resolution	1024×768	1024×768

Firmware

Please refer to 'GP-S070 user manual' and 'GP Editor user manual'.

Manual

For the detail information and instructions, please refer to user manual and user manual for communication, and be sure to follow cautions written in the technical descriptions (catalog, homepage).

Visit our homepage (www.autonics.com) to download manuals.

•GP Editor user manual

It describes how to write screen data, and is about related usage of GP-S070 HMI function.

•GP, LP user manual for communication

It describes connection for external devices such as PLC.

GP-S070 user manual

It describes general information on the installation and usage of GP-S070 and system control.

Cable (sold separately)

Communication cables connectable into external devices such as PLC are sold separately. Please refer to 'GP, LP user manual for communication' for communication cable.

Battery Replacement

Please contact our service center to replace GP-S057 battery. It may cause an explosion or a fire when using improper battery.

Cautions during Use

1. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents. 2. 24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.

Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the power.

4. Operate the product after supplying power to the product, input/output equipment, and load. If operate product before supplying power, it may result in output error or malfunction. 5. Keep away from high voltage lines or power lines to prevent inductive noise.

Do not use near the equipment which generates strong magnetic force or high frequency noise

6. Make a required space around the unit for radiation of heat, and do not block ventilation openinas.

. Do not push the touch panel with a hard and sharp object or push the panel with excessive force.

It may result in fire or malfunction.

When skin is smeared with liquid crystal from the broken LCD, rinse with running water for over 15 minutes.

If it gets into the eyes, rinse eyes with running water for over 15 minutes and contact a doctor. 8. This unit may be used in the following environments.

Indoors (in the environment condition rated in 'Specifications')

②Altitude max. 2,000m

③Pollution degree 2 ④Installation category II

Major Products

- Atoelectric Sensors Temperature Controlle or Optic Sensors Temperature/Humidity or Sensors SSRs/Power Controlle or Side Sensors Counters a Sensors Timers ximity Sensors Panel Meters

- Door Sensors Door Side Sensors Area Sensors Proximity Sensors
- essure Sensors Tachometer/Pulse (Rate)Meters Dary Encoders Display Units onnector/Sockets Sensor Controllers Pressure Sensors Rotary Encoders
- Connector/Sockets Sensor Controllers Switching Mode Power Supplies Control Switches/Lamps/Buzzers I//O Terminal Blocks & Cables Stepper Mators/Drivers/Motion Controllers Graphic/Logic Panels Field Network Devices Laser Marking System (Fiber, Co., Nd:yag) Laser Welding/Cutting System

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