



Standard 4 Line Text Panels

TP04G-AL-C TP04G-AL2

- ▶ 4.1" STN-LCD
- ▶ User-defined function keys available
- ▶ Supports RS-232/RS-422/RS-485 COM ports (TP04G-AL2)
- ▶ Password protection function available
- ▶ User-defined boot screen available
- ▶ Built-in real-time clock (RTC)

Dimensions	4.1" (101.8 x 35.24mm)
Resolution	192 x 64
Display Color	Monochrome
Flash Memory	256k bytes
SRAM	16k/10k bytes
Function keys	10 function keys
Password	Available
Recipe function	Not available
Real-time clock	Available
Serial COM port	RS-232 & RS-422/485
Editing software	TPEditor

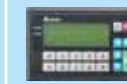
Standard Numeric Entry 4 Line Text Panel PLC

TP04P

- ▶ Adopts core of SS2 series PLC with program of 8K steps and D devices of 5K words
- ▶ Provides 2 sets of 10kHz high speed pulse input
- ▶ 4.1" STN-LCD
- ▶ Provides 0~9 numeric keys with user defined function
- ▶ Built-in USB port for program upload/download
- ▶ Built-in 2 sets of RS-485 communication port
- ▶ Supports MODBUS ASCII/RTU modes
- ▶ User-defined boot screen available
- ▶ Built-in real-time clock (RTC)
- ▶ Digital I/O points available

Dimensions	4.1"(101.8×35.24mm)
Resolution	192 x 64
Display Color	Monochrome
Flash Memory	1M bytes
SRAM	64k bytes
Function keys	17 function keys
Password	Available
Recipe function	Not available
Real-time clock	Available
Serial COM port	2 sets for RS-485
Editing software	TPEditor

TP Hardware Specifications

Model		TP02G-AS1	TP04G-AS2	TP08G-BT2	TP04G-AL-C	TP04G-AL2	TP04G-BL-C	TP04P-Series
								
Display specifications	Screen type	STN-LCD						
	Display color	Monochrome						
	Resolution	160 x 32	128 x 64	240 x 128	192 x 64			
	Backlight	Life span of backlight is about 50,000 hours at 25°C						
	Display range	72 x 22mm	3" (67 x 32mm)	3.8" (83 x 41mm)	4.1" (101.8 x 35.24mm)			
Flash memory		256k bytes		1M bytes	256k bytes			1M bytes
Program download port		COM1 (RS-232)						COM1(USB)
Serial COM port	COM1	RS-232	RS-232/422		RS-232	RS-232/422	RS-232	-
	COM2	RS-485			-	RS-485	RS-485	RS-485
	COM3	-			-	-	-	RS-485
Extension interface		The slot for program copy card						
Real-time clock		-	Built-in					
Auxiliary keys	System keys	6	7	12	5		7	
	Function keys	10	5	12	5		10	
Operating voltage		DC +24V (-10%~+20%)						
Backup battery		3V lithium battery CR2032 x 1 / battery life: 5 years						
Buzzer		85dB						
Cooling method		Natural air circulation						
Operating temperature		0°C~50°C						
Storage temperature		-20°C~ +60°C						
Operating humidity		10%~90% RH (0~40°C)						
Vibration		IEC61131-2, IEC 68-2-6 (TEST Fc) 5Hz ≤ f < 8.4Hz Continuous: 3.5mm 8.4Hz ≤ f ≤ 150Hz Continuous: 1.0g						
Shock		IEC61131-2, IEC 68-2-27 (TEST Ea) 15g peak, 11ms duration, half-sine, three shocks in each direction per axis, on 3 mutually perpendicular axes (total of 18 shocks)						
Radiated emission		CISPR11, Class A Frequency: 30~230MHz, Limits: 40dB uV/m; Frequency: 230MHz~1GHz, Limits: 47dB uV/m						
Radiated electromagnetic field		EN61000-4-3, Frequency: 80~2000MHz, Limits: 10V/m						
Electrostatic discharge		EN61000-4-2, Air Discharge: 8KV, Contact Discharge: 4KV						
Fast transient burst		EN61000-4-4, Power Line: 1KV, Communication I/O: 500V						
Dimensions (Width (W) × Height (H) × Depth (D))		147 x 97 x 35.5		210 x 122 x 45	163.6 x 108.6 x 37		175.8× 108.8×37	175.8× 108.6×59.2
Panel cutout		136 x 85		196 x 108	151 x 96		163×96	163×96
Weight		240g		430g	268g	270g	292g	500g
Safety approvals (Waterproof class of front panel)		IP65/NEMA4 & CE, UL Type 4 indoor			IP65/NEMA4 & CE, UL			

Ordering Information

Communication Converter

Product name	Description	Model name	Certificates
Converter	USB to RS-485 converter	IFD6500	 
	USB to CAN converter	IFD6503	
	USB to RS-485 converter	IFD6530	
	MODBUS TCP to RS-232/485 converter	IFD9506	
	EtherNet/IP to RS-232/485 converter	IFD9507	
	DeviceNet to RS-232/485 converter	IFD9502	
	CANopen to RS-232/485 converter	IFD9503	
	RS-232 to RS-422/485 isolated converter	IFD8500	
	RS-485 to RS-422 isolated repeater	IFD8510	
	RS-422/485 to RS-232 addressable isolated converter	IFD8520	

PM Series

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates	
General purpose motion controller	100~240VAC	Differential	16	16	DVP10PM00M	 	
		(Built-in 4-axis of independent 1MHz pulse output)					
Professional motion controller	100~240VAC	Differential	8	8	DVP20PM00DT		
		(Built-in 2-axis of independent 500kHz pulse output)			DVP20PM00D		
		(Built-in 3-axis of independent 500kHz pulse output)			DVP20PM00M		
PM series extension module		Description			Model name		
DVP-PM Communication card		Ethernet/CANopen communication card			DVP-FPMC		
DVP-PM Memory card		Data backup memory card (64k words)			PM-PCC01		
Execution time of basic instructions	0.13μs		Execution time of MOV instruction		3.74μs		

MC Series

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
Network type motion controller	24VDC	CANopen DS402	8	4	DVP10MC11T	 

TP Series

Product name	Description							Model name	Certificates
TP02	Resolution: 160 x 32, Serial COM ports: RS-232 & RS-485							TP02G-AS1	 
TP04	Resolution: 128 x 64, Serial COM ports: RS-232 & RS-422/RS-485							TP04G-AS2	
	Resolution: 192 x 64, Serial COM ports: RS-232 & RS-422/RS-485							TP04G-AL2	
	Resolution: 192 x 64, Serial COM ports: RS-232							TP04G-AL-C	
	Resolution: 192 x 64, Serial COM ports: RS-232 & RS-422/RS-485, 0~9 numeric keys available							TP04G-BL-C	
TP04P	Resolution: 192 x 64, Serial COM ports: USB & RS-485	8DI	8DO	-	-	Relay	TP04P-16TP1R	 	
		8DI	16DO	-	-	Relay	TP04P-32TP1R		
		8DI	8DO	4AI	2AO	Relay	TP04P-22XAIR		
		8DI	8DO	2AI	1AO	Relay	TP04P-21EX1R		
TP08	Resolution: 240 x 128, Serial COM ports: RS-232 & RS-422/RS-485,0~9 numeric keys available							TP08G-BT2	