SPECIFICATION

GT TERMINALS SPECIFICATIONS

GENERAL	GT10	GT30
Rated voltage	24VDC	
Operating voltage range	21.6VDC to 26.4VDC	
Power consumption	5W max.	10W max.
Ambient temperature	0°C to 40°	0°C to 50°C
	(25VDC max. if installed horizontally)	(25VDC max. if installed horizontally)
Ambient humidity	20 to 85% RH (non-condensing)	
Storage temperature	-20°C to 60°C	-20°C to 60°C
Storage humidity	20 to 85% RH (non-condensing)	
Vibration resistance	10 to 55Hz (1-minute cycle) Amplitude: 0.75mm, 10 minutes on 3 axes	
Shock resistance	98m/s², 4 times on 3 axes	
Noise immunity	1,000Vpp min., pulse width 50ns, 1μs between power supply terminals (based on noise simulator)	
Static noise resistance	5kV min. (panel display)	
Protective construction	IP65 (in initial status) dust-proof and drip-proof from front panel only (packing used on panel contact surface) when reattaching, replace waterproof packing	
Mass	Approx. 260g / 9.171oz.	Approx. 440g / 15.714oz.

DISPLAY	GT10	GT30	
	AIGT1000B	AIGT3100B	AIGT3300B
Display	STN monochrome LCD	STN monochrome LCD	STN colour LCD
Resolution	160(W) x 64(H) dots	320(W) x 240(H) dots	
Display colour	2 colours (black, white)	2 colours (blue, white)	16 colours
Displayable area	92.8(W) x 37.1(H) mm 3.65(W) x 1.46(H) inch	118.8(W) x 89,38(H) mm 4.65(W) x 3,52(H) inch	
LCD life	Average: 50,000 hours (at normal temperature of 25°C)		
Backlight	3-colour LED backlight (green, red, orange) no replacement necessary	CFL average life is 50,000 hours (25°C)	

FUNCTIONS	GT10	GT30
Font types	Fixed font: 1/4 width (8 x 8), half width (16 x 8), full width (16 x 16) Characters can be displayed at same width, doubled width, or quadrupled width True Type fonts	
Character types	Alphanumeric characters	
Graphics	Straight lines, continuous straight lines, squares, circles, ovals, arcs, eliptic arcs, fan shapes, elliptic fan shapes, beveled squares, bitmaps	
Number of screens	Approx. 160 screens Screen numbers that can be set: Base screens No. 00 to FF (HFX)	Approx. 220 screens (monochrome LCD type) Approx. 160 screens (colour LCD type) Screen numbers that can be set: Base screens No. 00 to 3FF
	Number of screens that can be registered varies depending on registered contents	
Part functions	Messages, lamps, switches, data, bar graphs, clocks, keyboard	
Clock functions	Clock built into main unit (can also be displayed with reference to PLC clock)	
Contrast adjustment	Contrast can be adjusted using touch panel operation (10 stages)	
Automatic communcation settings	Settings for communication between dedicated software and PLC set automatically by connecting cable	
Debugging functions	Through function (PLC can be debugged from personal computer by connecting computer to TOOL port and PLC to COM. port)	
Screen creation	Dedicated software terminal GTWIN used. Applicable OS: Windows 95/98/2000/NT	

GT TERMINALS SPECIFICATIONS

TOUCH KEY

TOUCH KEY	GT10	GT30
Touch key resolution	20(W) x 8(H)	16(W) x 12(H)
Touch key operation	0.98N max.	
Touch key life	Min. 10^6	

MEMORY

MEMORY	GT10	GT30	
	AIGT1000B	AIGT3100B monochrome LCD type	AIGT3300B colour LCD type
Memory	F-ROM	F-ROM	F-ROM
Memory backup	384kB	1.5MB	3.25MB

INTERFACE

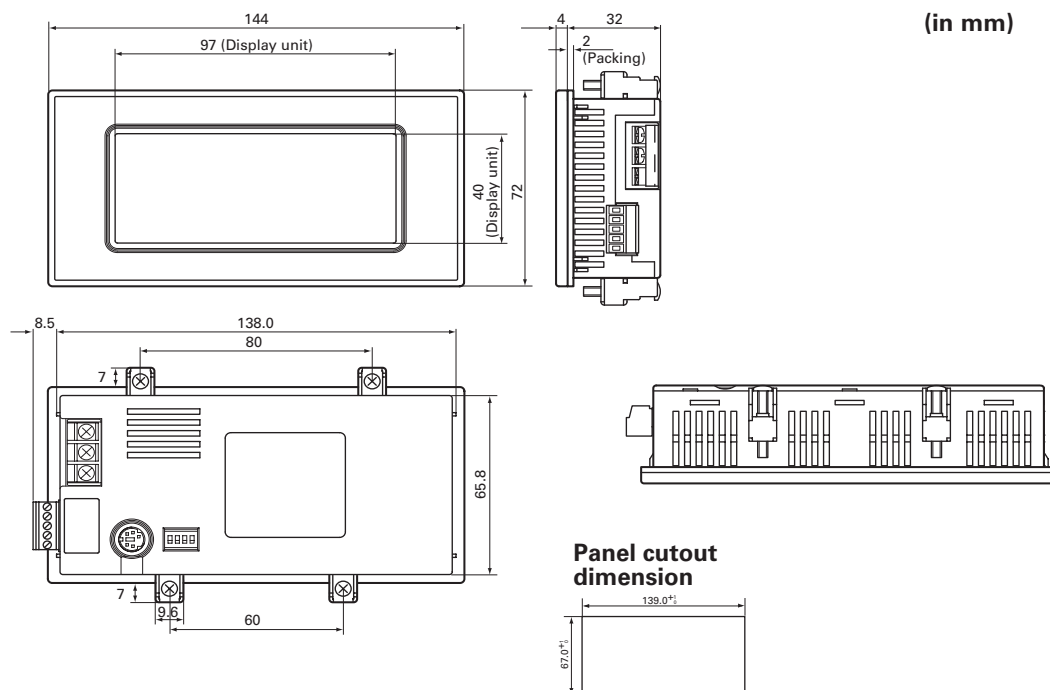| COM.PORT	GT10	GT30
Communications ratings	Conforms to RS232C	
Conditions for communications with external devices	Baud rate: 9600, 19200, 38400, 57600, 76800, 115200 bits/s	Baud rate: 9600, 19200, 38400, 57600, 115200 bits/s
	Data bits: 7 or 8 bits / Parity: None, Odd, Even / Stop bits: 1 bit	
Protocol	FP series supported/general-purpose RS232C supported	
Connector	Connector terminal base (5-pin)	

TOOL.port		
Communications ratings	Conforms to RS232C	
Conditions for communications with external devices	Baud rate: 9600, 19200, 115200 bits/s / Data bits: 8 bits / Parity: None, Odd, Even / Stop bits: 1 bit	
Protocol	Dedicated protocol	
Connector	Mini-DIN (5-pin)	

GT10 DIMENSIONS

(in mm)

Panel cutout dimension

PART NUMBERS

PRODUCT TYPES		ORDER-NO:
GT10 V2 main unit	Programmable display unit GT10 V2 with STN monochrome LCD	**AIGT1000B**
GT30 main unit	GT30M with STN monochrome LCD	**AIGT3100B**
	GT30C with STN colour LCD	**AIGT3300B**
Terminal *GTWIN* ver. 2 English language version	"Terminal *GTWIN* ver. 2" (CD-ROM) English-language screen creation tool Set of GT10/GT30 technical manuals	**AIGT8001 V2**
Screen transfer cable	Cable for transferring data between *GTWIN* and GT (3m)	**AFC8513D**
PLC connecting cable (1)	For connection to TOOL port of FP0 / FPΣ / FP2 / FP2SH / FP-M Mini-DIN 5-pin loose-wire cable (2m)	**AIGT8192D**
PLC connecting cable (2)	For connection to COM. port of FP1 / FP2 / FP2SH / FP-M / FP10SH, TOOL port of FP10SH, and computer communication unit of FP2 / FP3 D-sub 9-pin loose-wire cable (2m)	**AIP81842D**
Front panel protective sheet 1 sheet included with the terminal when shipped.	Front panel protective sheet for GT10 (for replacement). 10 pcs. in set.	**AIGT180**
	Front panel protective sheet for GT30 (for replacement). 10 pcs. in set.	**AIGT380**
Waterproof packing 1 sheet included with the terminal when shipped.	Waterproof packing for GT10 (for replacement). 10 pcs. in set.	**AIGT181**
	Waterproof packing for GT30 (for replacement). 10 pcs. in set.	**AIGT381**
Replacement backlight	Replacement backlight for GT30 colour/monochrome LCD type	**AIGT382**

GT30 DIMENSIONS

(in mm)

Attachment fittings

Panel cutout dimension

150.5^{+0}_{0}

Applicable panel thickness: 1.0mm to 5.0mm

119^{+1}_{0}