

Defect Distribution Map

- Burning
- Surface sink
- Scratch
- Foreign matter
- Irregular coloring
- Whitening

Improves visibility by color-coding graphics and text.

Date	Error Report	Description	Check	Repair
1/24/2004	10:05	Pressure	11:30	15:00
1/25/2004	08:22	Power Supply	09:00	
1/25/2004	18:32	Bulb		

Makes warnings and alarms easier to understand.

Device Malfunition Status

Conveyor Mixing

Simply touch to check device status verification with BMP image attachment.

64 Colors STN Color LCD

Fully integrated control, operation, and display just became easier with the new color-type LogiTouch.

LTC Type A

GLC150-SC41-XY32SK-24V

- Built-in 32-point DIO

LTC Type B+

GLC150-SC41-XY32KF-24V

- Built-in 32-point DIO
- Built-in I/O master unit reduces wiring requirements

LTC Type H

GLC150-SC41-ADK-24V
GLC150-SC41-ADPK-24V
GLC150-SC41-ADTK-24V

- Built-in 32-point DIO
- 12-bit AD/DA (Analog I/O)
- PWM/Pulse Output
- Thermocouple/100PT
- Positioning/High-Speed Counter

Super-easy screen creation and logic programming!

Screen Editor and Logic Development Software
GP-PRO/PBIII
© Package03

NEW

LT

I/O Control Equipped Operator Interface

SERIES



Preliminary

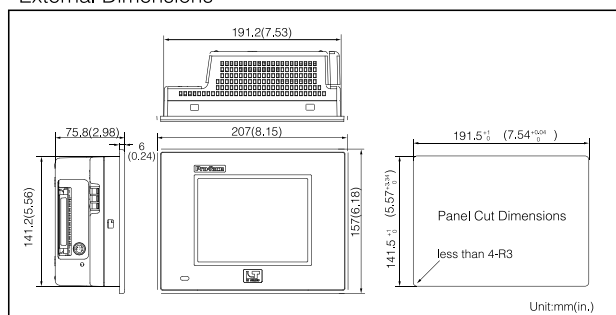
Specifications are subject to change without notice.

Functional Specifications

	Type A	Type B+	Type H
Item	GLC150-SC41-XY32SK-24V	GLC150-SC41-XY32KF-24V	GLC150-SC41-AD**★-24V
Display	STN Color LCD		
Resolution	320 x 240 pixels		
Effective Display Area	W118.2 x 89.4mm		
Colors	64 colors		
Backlight	CFL (lifespan: more than 36,000 hours when continuously lit)		
Contrast Control	8 levels of adjustment available via touch panel		
Language Fonts	ASCII: (Code Page 850) Alphanumeric (including European fonts), Chinese: (GB2312-80 codes) simplified Chinese fonts, Japanese: ANK 158 type, Kanji; 6962 types (includes non-kanji: 607, and Standard JIS Type 1 and 2), Korean: (KSC5601-1992 codes) Hangul fonts, Taiwanese: (Big 5 codes) traditional Chinese fonts		
Touch panel	16 x 12 keys/screen (1 or 2 point touch)		
Memory	Application	1MB FLASH EPROM (approx. 320 screens at 3.2KB/screen)	
	Data Backup	96KB SRAM (uses lithium battery*)	
Control Memory	Variable Data Area	32KB SRAM (uses lithium battery*)	
	Program Area	128KB FLASH EPROM	

* A lithium battery's lifetime is 10 years when the battery's ambient temperature is under 40 degrees centigrade, 4.1 years when the battery's ambient temperature is under 50 degrees centigrade, and 1.5 years when the battery's ambient temperature is under 60 degrees centigrade. When used for backup, the lifetime is approximately 60 days with a fully charged battery, and approximately 6 days with a half-charged battery.

External Dimensions



General Specifications

	Type A	Type B+	Type H
Electrical	Rated Voltage	DC24V	
	Voltage Supply Range	DC20.4V to DC28.8V	
	Allowable Voltage Drop	10 ms or less	
	Power Consumption	20W max.	
	In-Rush Current	30A max.	
	Voltage Endurance	AC1000V at 10mA for 1 minute (between VCC and FG terminals)	
	Insulation Resistance	Above 20MΩ at DC500V (between VCC and FG terminals)	
Environmental	Ambient Operating Temperature	0°C to +50°C	
	Storage Temperature	-20°C to +60°C	
	Ambient Humidity	10% RH to 90% RH (no condensation, wet bulb temperature: 39°C max.)	
	Atmosphere	Pollution Degree 2	
	Air Purity (Dust)	0.1 mg/m3 or less (non-conductive levels)	
	Corrosive Gasses	Free of corrosive gasses	
	Atmospheric Pressure	800 hPa to 1114 hPa (2000 meters or lower)	
	Vibration Resistance	IEC61131-2 (JIS B 3501) compliant When vibration is NOT continuous 10 Hz to 57 Hz 0.075mm, 57 Hz to 150 Hz 9.8 m/s ² When vibration is continuous 10 Hz to 57 Hz 0.035mm, 57 Hz to 150 Hz 4.9 m/s ² X, Y, Z directions for 10 times (80 min.)	
	Noise Immunity(via noise simulator)	Noise Voltage: 1500 Vp-p Pulse Duration: 1 s Rise Time: 1 ns	
	Structural	Grounding	100Ω or less, or your country's applicable standard
Rating*		Equivalent to IP65f (JEM 1030), and NEMA#250 TYPE4X12	
External Dimensions		W207 x H157 x D75.8mm (W8.15 x H6.18 x D2.98in)	
Weight		Approx. 1.5kg (3.3lb)	
Cooling Method	Natural air circulation		

* Limited to the front face after installation in a panel. Testing equivalent to IP65f conditions has been performed; however, performance cannot be guaranteed for every type of environment. If the product is subjected to an oil mist over an extended period of time, even when using the oil designated in the tests, or if the product is subjected to an extremely low-viscosity cutting oil, some oil penetration may result due to peeling of the front sheet. If this occurs, a countermeasure is required. Similar penetration, or plastic deformation, may also occur with oils other than those designated. Confirm operation environment prior to installation. Furthermore, rubber gaskets that have been used for extended periods of time, and those that have been scratched or soiled after installation, may not provide sufficient protection. It is recommended that the rubber gasket be replaced periodically to guarantee consistent protection.

	DC24V Input Points	DC24V Output Points	Remote I/O (Flex Network)	Analog Input (ch)	Analog Output (2ch)	High-speed Counter	PWM	Thermocouple (J/K) Temperature Input	Pt100 Temperature Input
Type A	16	16	—	—	—	—	—	—	—
Type B+	16	16	○	*1	*1	*1	*1	—	—
Type H	AD	16	—	2	1	4 ²	4 ³	—	—
	ADT	16	—	2	2	4 ²	4 ³	3	—
	ADP	16	16	—	2	2	4 ²	4 ³	2

*1 Compatible with Flex Network units.
*2 Common with DC24V input.
*3 Common with DC24V output.

Caution: Before operating any of these products, please be sure to read all related manuals thoroughly.

- For printing purposes, the colors in this leaflet may differ from those of the actual unit. Actual user screens may differ from the screens shown here.
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