Sunmulon

SD

TYPE SD LCD MODULE DISPLAY

BRIGHT AND GOOD VISIBILITY
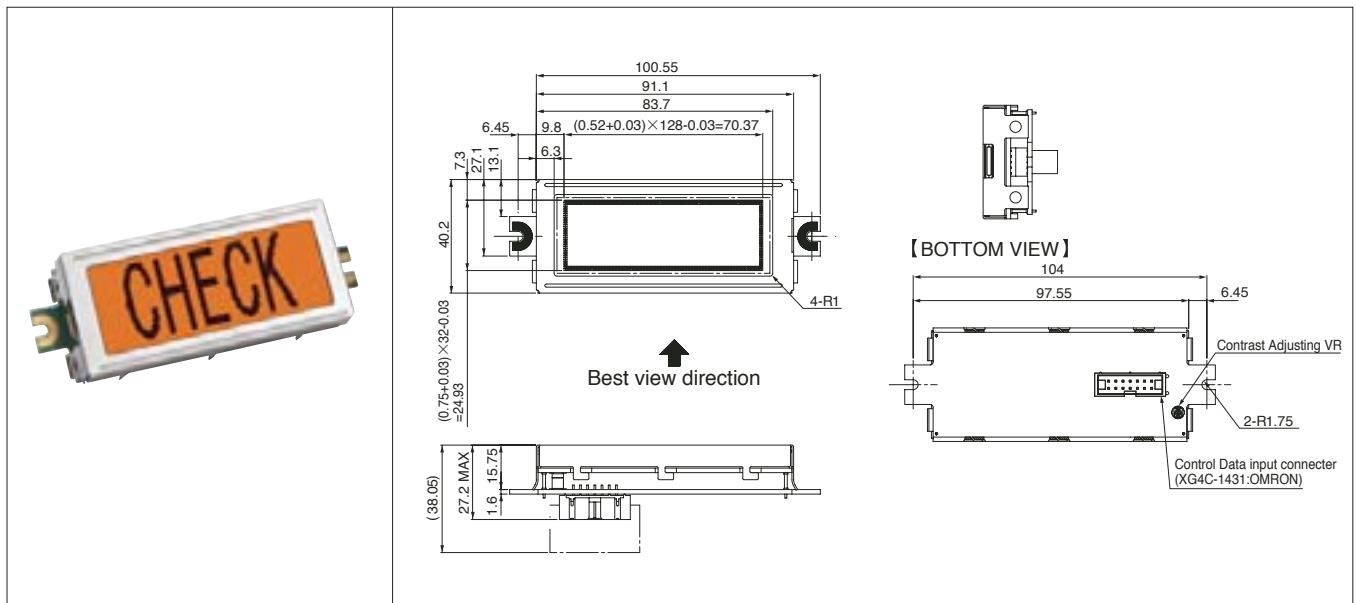
- ■ MULTI-COLOR (Red/Green/Blue) & DUAL COLOR (Red/Green) (Orange/Green) type provided for backlight LED.
- ■ Reasonable display size(70.37×29.43mm)
- ■ Easy to control with Serial Data Transfer

SPECIFICATIONS

Item	LCD Module Display
Method of Display	STN monochrome positive semi-transparent type
Dot quantity	128 × 32 dots
Active area	70.37 × 24.93
Viewing area	80.4 × 28.9
Backlight LED	Multi-color (R/G/B), Dual-color (R/G) (O/G)
Interface	Serial Data Transfer
Ambient Temperature	0℃ ~ 40℃
Ambient Humidity	20% ~ 85% RH
Power Supply Voltage	DC 5V,±5%

DIMENSIONS

100.55
91.1
83.7
6.45
9.8
(0.52+0.03)×128-0.03=70.37
6.3
7.3
27.1
13.1
40.2
(0.75+0.03)×32-0.03 =24.93
4-R1
Best view direction
(38.05)
27.2 MAX
15.75
1.6

【BOTTOM VIEW】
104
97.55
6.45
Contrast Adjusting VR
2-R1.75
Control Data input connecter (XG4C-1431:OMRON)

Tolerance : ±0.4mm

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PANEL MOUNTING & PANEL CUT DIMENSIONS

【Panel Cut Dimensions for reference】

$104_0^{+0.5}$

13.75 ± 0.2 75.4 ± 0.2

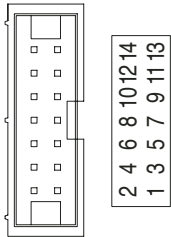$26.8_0^{+0.5}$

Stud(Inner Screw M3X0.5)

$15.5_{-0.5}^{0}$
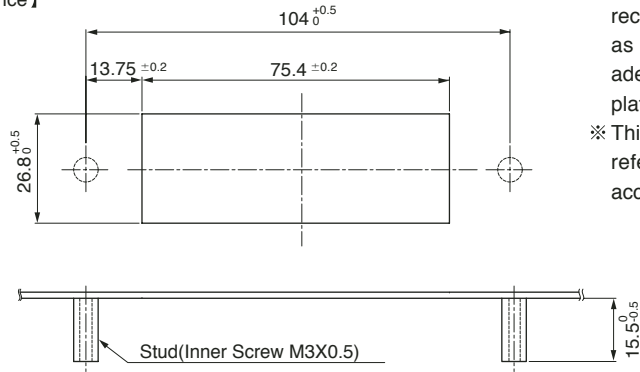
※ For the purpose of protecting LCD panel,it is recommended to provide protecting panel such as clear acryl plate. It is needed to give a adequate space between panel surfasce and plate to avoid supress LCD.

※ This panel mounting method is just for your reference.You can adjust mounting method according to your situation.

Tolerance : ±0.4mm

TERMINAL LAYOUT/ TERMINAL FUNCTION TABLE

CONNECTER:
OMRON XG4C-1431

Terminal No.	Signal	Description	Function
1	VDD	+5V	⊕ Power Supply (5V)
2	VSS	GND	Ground (0V)
3	DI	TTL	Data
4	FLM	TTL	Scan Start Pulse
5	LOAD	TTL	Data Latch Signal
6	CP	TTL	Data Input Signal
7	L1	LED1 Control Signal	Backlight LED Control Signal
8	L2	LED2 Control Signal	
9	L3	LED3 Control Signal	
10	NC	—	—
11	NC	—	—
12	NC	—	—
13	NC	—	—
14	FG	—	Frame Ground

Backlight LED Control Signal

	Multi Color	Dual Color (R/G)	Dual Color (O/G)
L1 :	Red	Red	Orange
L2 :	Green	Green	Green
L3 :	Blue	—	—

※ Please inquiry us about detail manuals.

ORDERING CODE

SD − □ □ 1

● LED Driver

A	Without Driver
B	With Driver

● Backlight LED

718	Dual Color (Red/Green)
1819	Dual Color (Orange/Green)
20	Multi Color (Red/Green/Blue)

● Power Supply Voltage

1	5V