



## GT2-71MCP

### Amplifier Unit, Analog Output Type PNP



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model	GT2-71MCP	
Mounting method	DIN-rail mount	
Output	PNP output	
Main unit/expansion unit	Main unit	
Power supply voltage	20 to 30 VDC, including 10 % ripple (P-P), Class 2 <sup>1</sup>	
Power consumption	Normal	2,700 mW max. (30 V, 90 mA max.)
	Power saving (Eco)	2,200 mW max. (30 V, 73.3 mA max.)
Display power	Measured value display	6 + 1/2-digit 7-segment LED (red)
	Other displays	2-color, 13-level bar LED display (red, green), indicators (red, green)
Display range	-199.999.9 to 199.999.9	
Display resolution	0.1 $\mu$ m 0.004 Mil	
Control input	Timing/preset/ reset/bank input	No-voltage input
Control output	HH/HI/GO/LO/LL	PNP open collector, 30 V 50 mA or less, residual voltage 1 V or less <sup>1,2</sup>
Analog output	4 to 20 mA, maximum load resistance: 350 $\Omega$ Analog output range can be changed as desired.	
Response time	hsp(3)/5/10/100/500/1,000 ms (When using GT2-Pxxx, hsp(12)/20/40/400/2,000/4,000 ms)	
Environmental resistance	Ambient temperature	-10 to +50 °C 14 to 122 °F (GT2-71MCN/71MCP: -10 to +45 °C 14 to 113 °F when expansion unit (s) is connected)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Material	Main body case: Polycarbonate, Key top: Polyacetal, Front sheet: PET, Cable: PVC	
Weight	Approx. 70 g	

<sup>1</sup> When adding expansion units, there are the following restrictions according to the number of connected units.

[When 2 to 8 units are connected including the main unit]

Power supply voltage: 20 to 30 VDC

Control output current: 20 mA or less

(GT2-71MCN(P) only) Ambient temperature: -10 to 45 °C 14 to 113 °F

[When 9 to 15 units are connected including the main unit]

Power supply voltage: 20 to 30 VDC

Control output current: 10 mA or less (including the DL-RB1A output current)

Residual voltage: 1.5 V or lower

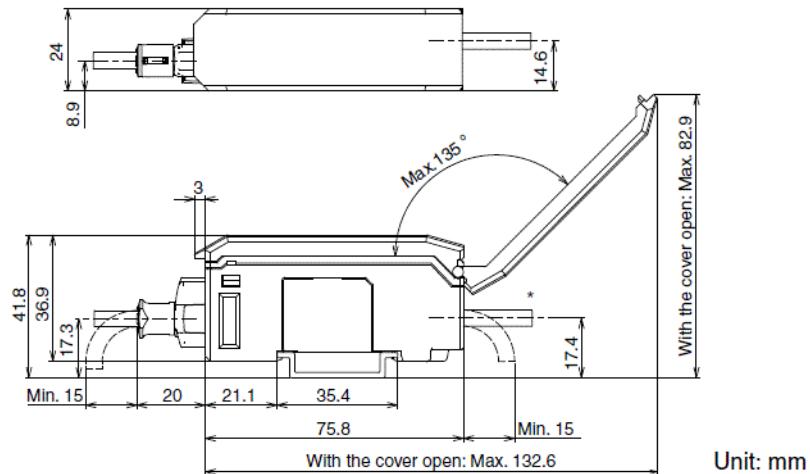
(GT2-71MCN(P) only) Ambient temperature: -10 to 45 °C 14 to 113 °F

<sup>2</sup> The GT2-71MCN(P) does not have HH/LL.

## Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

### ■ GT2-71(C)N/71(C)P/71MCN/71MCP/71D



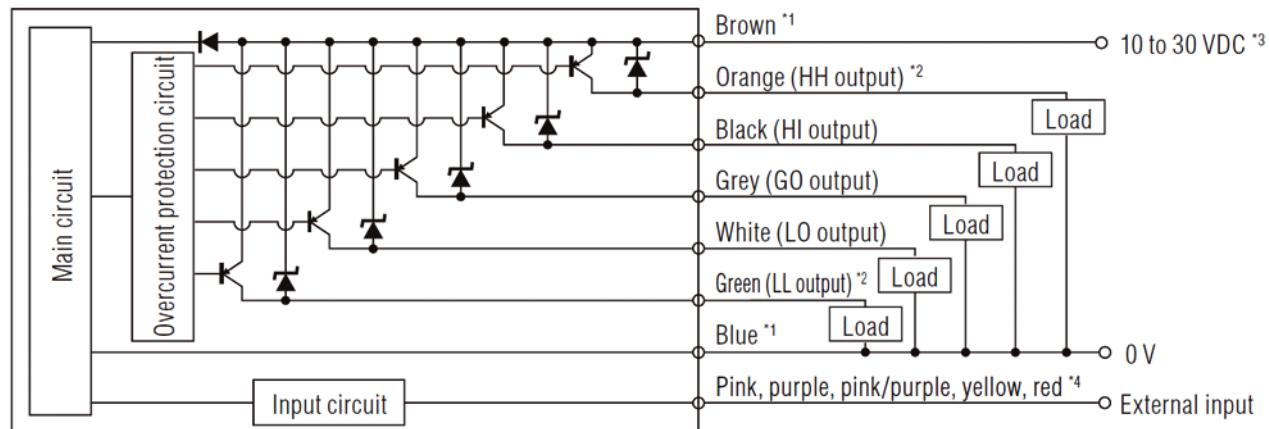
\* Cable specifications

- GT2-71N/71P  
Ø4.7 12-strand x brown, blue: 0.20 mm<sup>2</sup>; black, white, gray, orange, green, pink, violet, yellow, red, violet/pink stripe: 0.15 mm<sup>2</sup>; cable length: 2 m
- GT2-71CN/71CP/71MCN/71MCP  
Ø4.7 12-strand connector cable, cable length: 0.3 m
- GT2-71D  
Ø4.7 9-strand x brown, blue, violet, pink, orange, gray, white, black, green: 0.15 mm<sup>2</sup>, cable length: 2 m

# I/O Circuit Connection diagram

\* Download CAD file or product manual for larger image/text and more detail.

## I/O circuit



\*1 Brown and blue are applicable only to main units (GT2-71N/71P/71CN/71CP/71MCN/71MCP/75N/75P). Not to expansion units (GT2-72N/72P/72CN/72CP/76N/76P).

The connector type expansion unit (GT2-72CN/72CP) is not connected to the internal circuit.

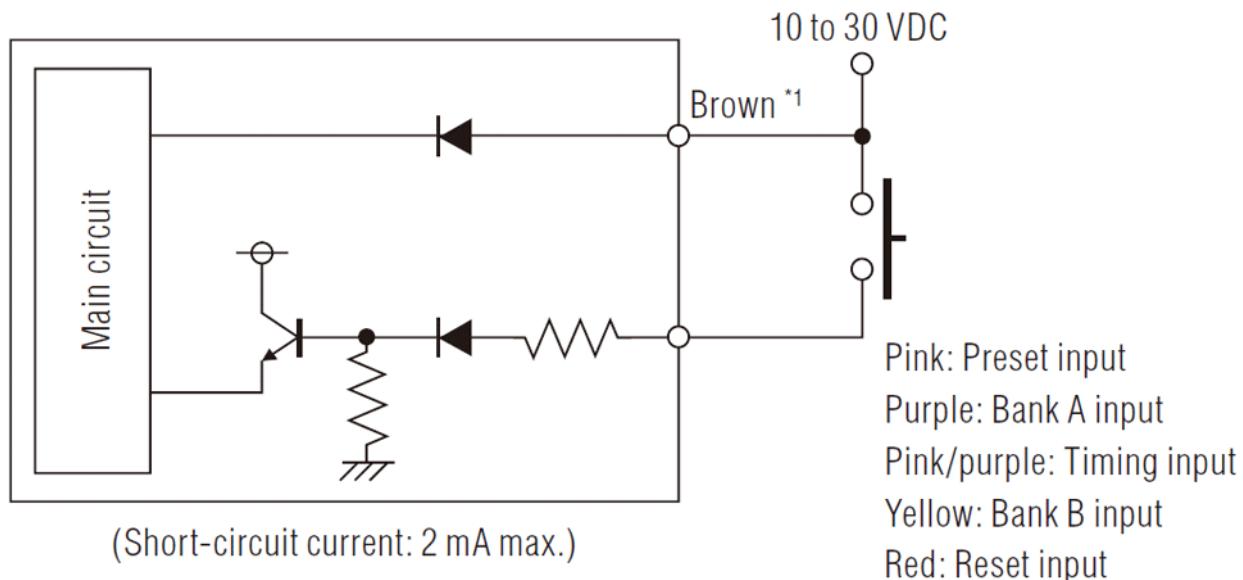
\*2 The orange and green cables are used as analogue output cables for the analogue type amplifier unit (GT2-71MCN/71MCP).

For details, refer to the analogue output circuit diagram.

\*3 20 to 30 VDC when expansion unit is connected or for the analogue type amplifier unit (GT2-71MCN/71MCP).

\*4 For details on external input, refer to the external input circuit diagram.

## External input circuit



\*1 Brown and blue are applicable only to main units (GT2-71N/71P/71CN/71CP/71MCN/71MCP/75N/75P). Not to expansion units (GT2-72N/72P/72CN/72CP/76N/76P).

The connector type expansion unit (GT2-72CN/72CP) is not connected to the internal circuit.

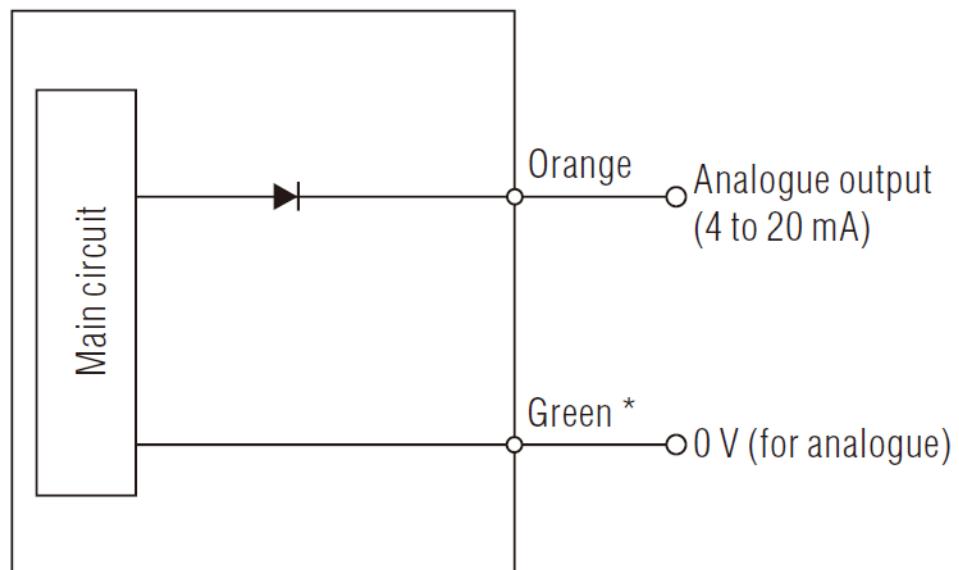
\*2 The orange and green cables are used as analogue output cables for the analogue type amplifier unit (GT2-71MCN/71MCP).

For details, refer to the analogue output circuit diagram.

\*3 20 to 30 VDC when expansion unit is connected or for the analogue type amplifier unit (GT2-71MCN/71MCP).

\*4 For details on external input, refer to the external input circuit diagram.

## Analogue output circuit GT2-71MCN/71MCP



\* The green and blue cables are common internally.