GT2-71CP

Amplifier Unit, Connector Type, PNP

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

Specifications

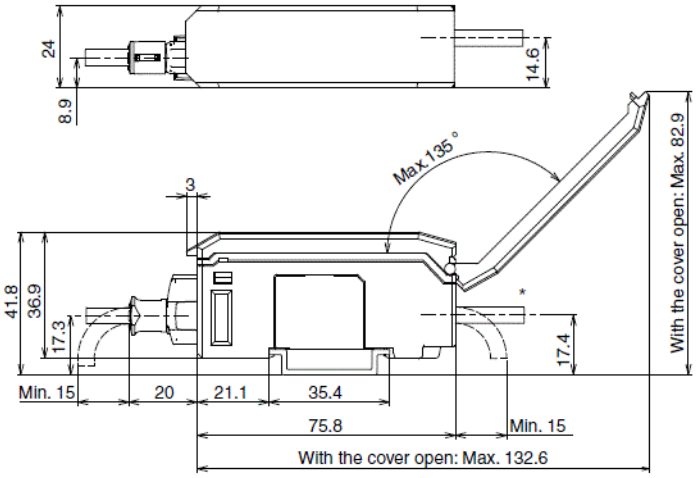
Model		GT2-71CP
Mounting method		DIN-rail mount
Output		PNP output
Main unit/expansion unit		Main unit
Power supply voltage		10 to 30 VDC, including 10 % ripple (P-P), Class 2*1
Power consumption	Normal	2,200 mW max. (30 V, 73.3 mA max.)
	Power saving (Eco)	1,700 mW max. (30 V, 56.7 mA max.)
Display 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 µm 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*1*2
Analog output		-
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 (No freezing)
	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

*1 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
*2 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



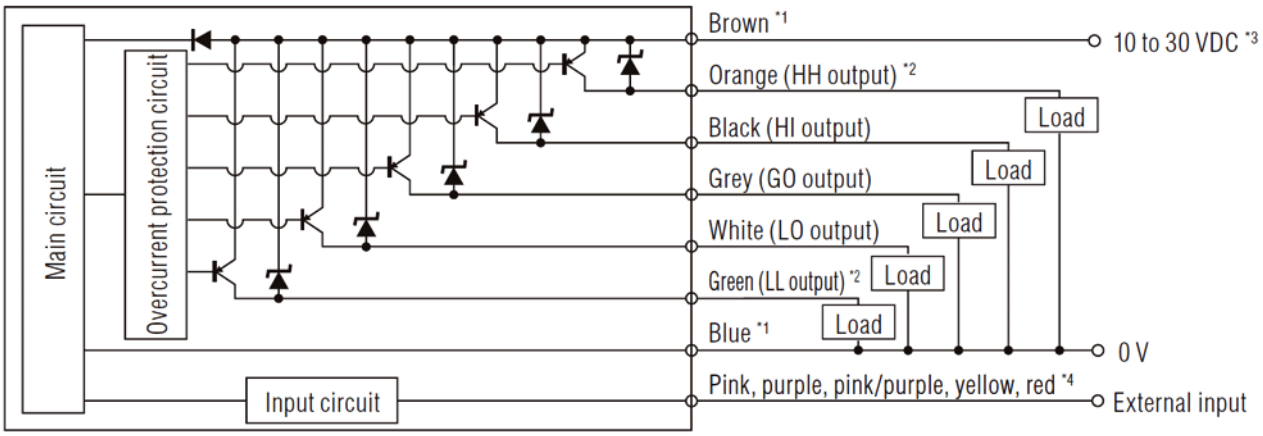
Unit: mm

* Cable specifications
  - GT2-71N/71P
    ϕ4.7 12-strand x brown, blue: 0.20 mm^2; black, white, gray, orange, green, pink, violet, yellow, red, violet/pink stripe: 0.15 mm^2; cable length: 2 m
  - GT2-71CN/71CP/71MCN/71MCP
    ϕ4.7 12-strand connector cable, cable length: 0.3 m
  - GT2-71D
    ϕ4.7 9-strand x brown, blue, violet, pink, orange, gray, white, black, green: 0.15 mm^2, cable length: 2 m

I/O Circuit Connection diagram

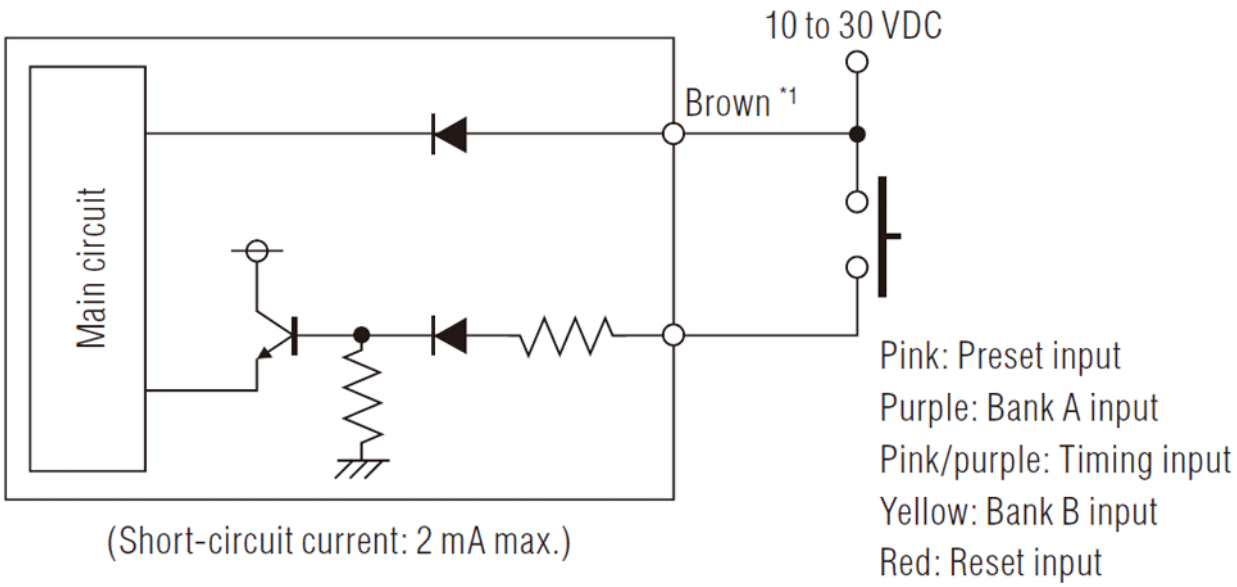
* Download CAD file or product manual for larger image/text and more detail.

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.
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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).
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