



## GT2-71N

Amplifier Unit, DIN Rail Type, NPN



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

## Specifications

Model	GT2-71N	
Mounting method	DIN-rail mount	
Output	NPN 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 <b>0.004 Mil</b>	
Control input	Timing/preset/ reset/bank input	No-voltage input
Control output	HH/HI/GO/LO/LL	NPN open collector, 40 V 50 mA or less, residual voltage 1 V or less**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 <b>14 to 122 °F</b> (GT2-71MCN/71MCP: -10 to +45 °C <b>14 to 113 °F</b> 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 <b>0.06"</b> , 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. 140 g (including power cable)	

\*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**

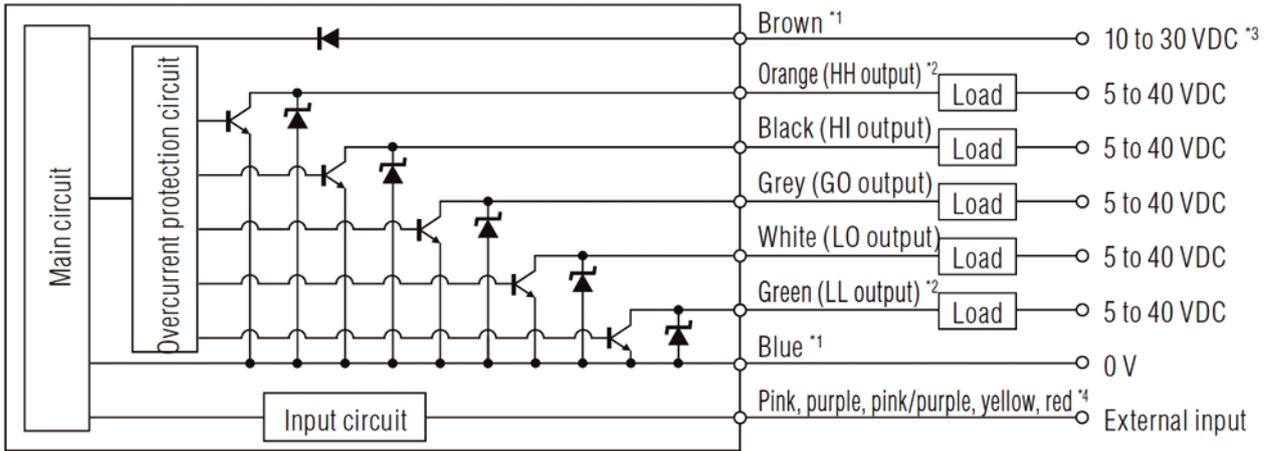
\*\*2 The GT2-71MCN(P) does not have HH/LL.



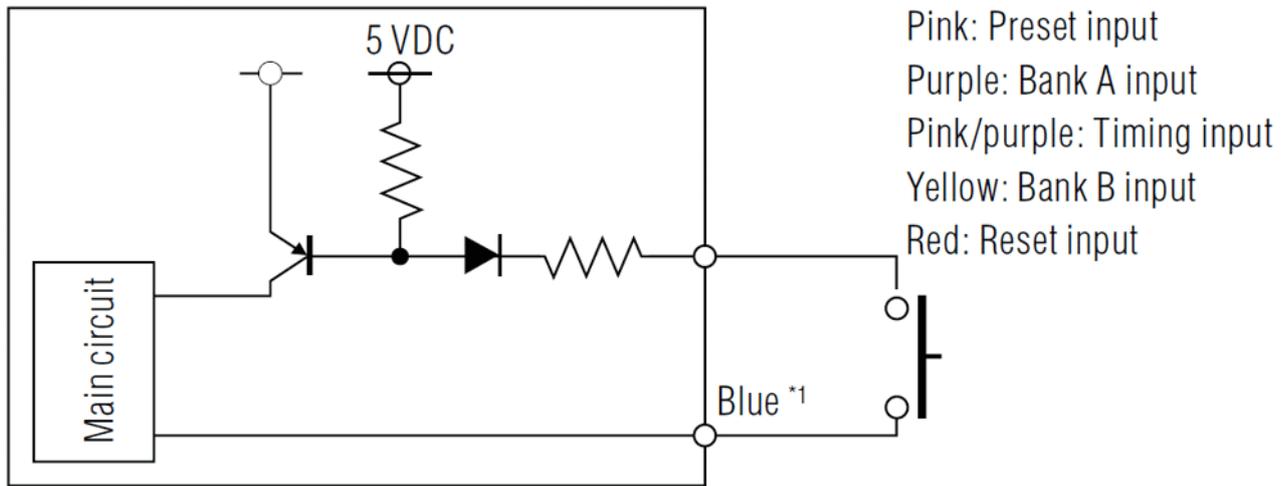
# I/O Circuit Connection diagram

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

## I/O circuit



## External input circuit



(Short-circuit current: 1 mA max.)