

Counter Unit

GT1-CT01**A Counter Unit Supporting Encoder Input for Use with MULTIPLE I/O TERMINAL**

- High-speed pulse with counting speed of 50 kHz.
- Counting can be set to a multiplication factor of 1 or 4.
- Wide range of measurement: -8,388,608 to 8,388,607.
- One external input and two external outputs are available.
- DIN track mounting.

**Ordering Information**

I/O classification	External I/O points	I/O connections	Operating mode	Model
Counter Unit	Inputs: 1 Outputs: 2	Terminal block	Linear counter	GT1-CT01

General Specifications

I/O power supply voltage	20.4 to 26.4 VDC (24 VDC -15%/+10%)
Current consumption	90 mA max.
Connection distance	Total length: 3 m Maximum length between Units: 1 m
Ambient operating temperature	-10°C to 55°C
Ambient operating humidity	25% to 85% (with no condensation)
Weight	Approx. 250 g
Dimensions	110 x 60 x 65 mm (W x H x D)
Accessories	I/O Unit Connecting Cable (40 mm)

Output Specifications

Output current	0.5 A per point max.
Residual voltage	1.2 V max. (0.5 A DC between each output terminal and G)
Leakage current	0.1 mA max. (24 VDC between each output terminal and G)
ON delay time	0.5 ms max.
OFF delay time	1.5 ms max.
Number of circuits	2

Performance Specifications

Number of counters	1	
Operating mode	Linear counter	
Count input	Input signal	Encoder input (A, B, Z)
	Signal level	24 VDC
	Input type	Differential phase pulse input Pulse and direction input
	Maximum counting speed	50 kHz (kcps)
	Counting range	-8,388,608 to +8,388,607
	Other	Differential phase pulse input can be set to a multiplication factor of 1 or 4.
External input	Input signal	External input (IN)
	Signal level	24 VDC
External output	Output	2 external outputs (OUT1 and OUT2)
	Maximum switching capacity	24 VDC 0.5 A
Allocated words	IN	3 words
	OUT	3 words

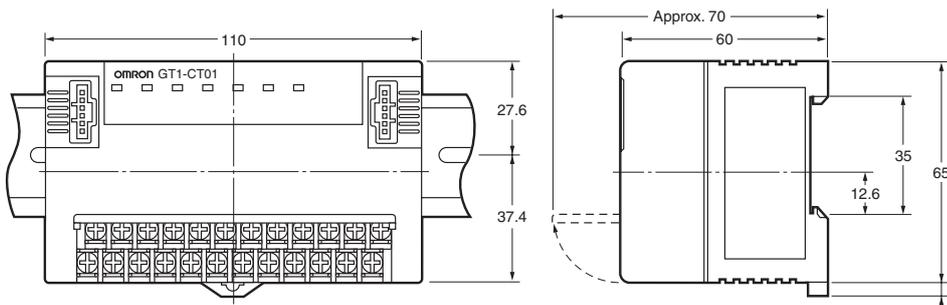
Applicable Encoders

Output type	Open-collector output
Power supply voltage	24 VDC
Recommended models	E6B2-CWZ6C E6H-CWZ6C

Dimensions

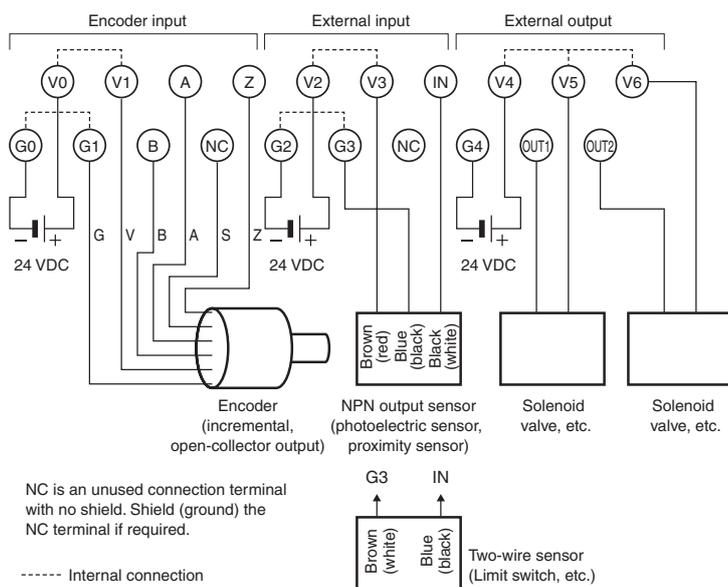
(Unit: mm)

GT1-CT01



Note: Accessory cable included.

Wiring Diagrams



Read and Understand This Catalog

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- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
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