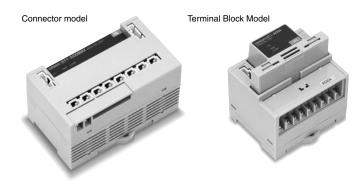
Analog I/O Units

GT1-AD/DA

Analog Input/Output Units Compatible with MULTIPLE I/O TERMINAL

- Input block incorporates connectors that can be easily mounted or dismounted. (GT1-AD08MX, GT1-DA04MX)
- 8 or 4 inputs.
- 4 outputs.
- High resolution of 1/6,000.
- High conversion speed of 8 ms/8 points or 4 ms/4 points.
- · DIN track mounting.



Ordering Information

I/O classification	I/O points	I/O connections	Power supply voltage	I/O specification	Model
Analog input	8	Molex connector	24 VDC	4 to 20 mA, 0 to 20 mA, 0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V	GT1-AD08MX
	4	Terminal block	24 VDC		GT1-AD04
Analog output	4	Molex connector	24 VDC	0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V	GT1-DA04MX
		Terminal block		0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA	GT1-DA04

General Specifications

	•		
I/O power supply voltage	20.4 to 26.4 VDC (24 VDC -15%/+10%) *		
	I/O Unit interface	Internal circuitry power suppl	
Current consumption	50 mA max.	GT1-AD08MX: 100 mA max. GT1-AD04: 100 mA max. GT1-DA04MX: 100 mA max. GT1-DA04: 150 mA max.	
Noise immunity	Conforms to IEC 61000-4-4, 2 kV (power line)		
Vibration resistance	10 to 150 Hz, 1.0-mm double amplitude or 70 m/s ²		
Shock resistance	200 m/s ²		
Dielectric strength	500 VAC		
Mounting method	DIN 35 mm-track mounting		
Mounting strength	No damage when 100 N pull load was applied in all directions (10 N min. in the DIN track direction)		
Terminal strength	No damage when 100 N pull load was applied		
Ambient operating temperature	-10°C to 55°C		
Ambient operating humidity	25% to 85% (with no condensation)		
Ambient storage temperature	-25°C to 65°C		
Accessories	I/O Unit Connecting Cable (40 mm)		

^{*} Power for analog I/O is provided from the internal power supply.

Applicable Connector

(GT1-AD08MX, GT1-DA04MX)

Туре			Model	Remarks
Molex connector	Solderless terminal	Housing	51030-0330	
		Chain terminal	70058-0004	Corresponding to 24 to 30 AWG
			70058-0022	Corresponding to 22 to 24 AWG
		Press-fit tool	57036-5000	Corresponding to 22 to 26 AWG
			57037-5000	Corresponding to 24 to 30 AWG

Input Specifications

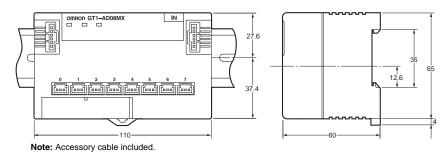
Item Specifications		Voltage input	Current input	
Input type		0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V	0 to 20 mA, 4 to 20 mA	
Maximum signal input		± 15V	± 30 mA	
Input impedance		1MΩ min.	Approx. 250 Ω	
Resolution		1/6,000 (FS)		
Overall accuracy	25°C	±0.3% FS	±0.4% FS	
	-10°C to 55°C	±0.6% FS	±0.8% FS	
Conversion speed		8 ms/8 points, 4 ms/4 points		
Conversion output data		Binary data -10 to 10-V range: F448 to 0BB8 full scale Other signal ranges: 0000 to 1770 full scale		
Insulation method		Transistor or photocoupler insulation between inputs and power lines.		

Output Specifications

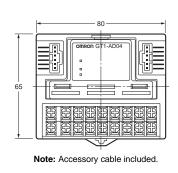
Item	Specifications	Voltage output	Current output	
Output type		0 to 5 V, 1 to 5 V, 0 to 10 V, -10 to 10 V	4 to 20 mA	
Output permissible load resistance		5kΩ min.	600 Ω max.	
Output impedance		0.5Ω max.		
Resolution		1/6,000 (FS)		
Overall accuracy	25°C	±0.4% FS		
	-10°C to 55°C	±0.8% FS		
Conversion speed		4 ms/4 points		
DA output data		Binary data -10 to 10 V range: F448 to 0BB8 full scale Other signal ranges: 0000 to 1770 full scale		
Insulation method		Transistor or photocoupler insulation between outputs and power lines.		

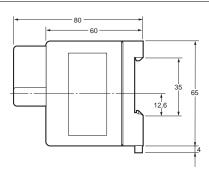
Dimensions (Unit: mm)





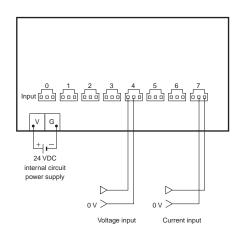
GT1-AD04 GT1-DA04 (Terminal Block Models)



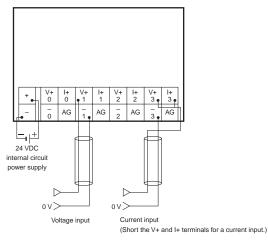


Wiring Diagrams

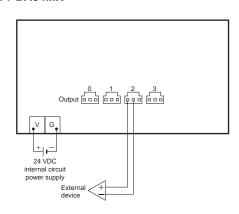
GT1-AD08MX



GT1-AD04



GT1-DA04MX



GT1-DA04

