Current/Voltage Output Module

This module outputs 4 to 20 mA DC and 0 to 10 V DC.

Item	Specifications	
Model	AAM51	
Output signal	0 to 10 V DC	4 to 20mA DC
Output resistance	1 Ω or less	500 kΩ or more
Allowable load resistance	10 kΩ or more	0 to 750 Ω
Output range	-0.3 to 10.3 V DC	1.0 to 21.5 mA DC
Output voltage limit	-	25.5 V DC or less
Output current limit	60 mA DC or less	-
Output open detection	-	0.65 mA or less
Accuracy rating	Voltage output: ±12 mV	Current output: ±48 μA
Effect of ambient temperature change	10 °C of change: Voltage output ±4 mV and ±0.15 % of specified value Current output ±32 μA	
Effect of load resistance change	2 kΩ load connection: ±4 mV	0 to 75 Ω change: ±16 μA
Data update period	20 ms; Step response is 150 ms	
Current consumption	300 mA or less (5.0 V DC)	
Signal insulation	Output signals are insulated between systems. Withstanding voltage: 1500 V AC/min	
How to install	Install in the I/O Module Nest	
Wiring	Connect to the terminal of the I/O Module Nest with M4 screws	
Setting of output signal specifications	Output signal and its range are set with software	

Current Output Module

This module outputs 4 to 20 mA DC.

Item	Specifications
Model	AAM50
Output signal	4 to 20mA DC
Output resistance	500 kΩ or more
Allowable load resistance	0 to 750 Ω
Output range	1.0 to 21.5 mA DC
Output voltage limit	25.5 V DC or less
Output open detection	0.65 mA or less
Accuracy rating	Current output: ±48 μA
Effect of ambient temperature change	10 °C of change: Current output ±32 μA
Effect of load resistance change	0 to 75 Ω of change: ±16 μA
Data update period	20 ms; Step response is 100 ms
Current consumption	250 mA or less (5.0 V DC)
Signal insulation	Output signals are insulated between systems. Withstanding voltage: 1500 V AC/min
How to install	Install in the I/O Module Nest
Wiring	Connect to the terminal of the I/O ModuleNest with M4 screws
Setting of output signal specifications	Output signal and its range are set with software

Note: AAM50 can be used when the whole system's software is R2.07 or later.

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