

SystempaK (Analog Type) Analog Input Through-Card Module Model J-STH 61

Introduction

The Analog Input Through-Card Module, specifically designed for injecting the non-isolated analog inputs into the Azbil Corporation's Process Controller, is directly connected to the input to the analog input module (HAM). The J-STH61 incorporates a 24V DC power supply unit for transmitters and a V/I conversion resistor.

Connection between the I/O modules and the SystempaK File is made by a dedicated connector (16 points). Those I/O signals (4 to 20 mA or 1 to 5V DC) which require no processing through the SystempaK Module are connected to the controller using this Analog Input Through-Card Module.

Specification

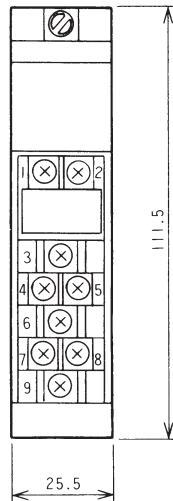
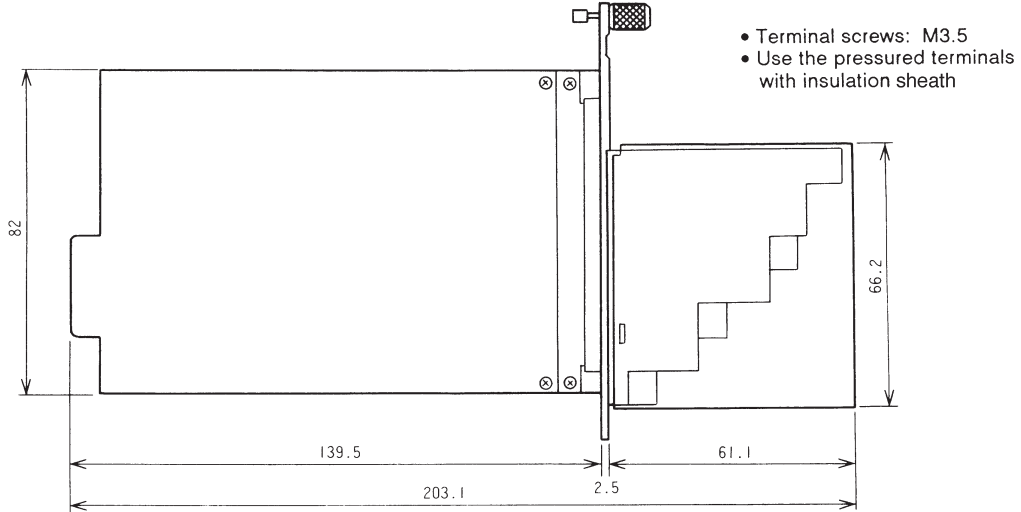
- Input signal: 1 to 5V DC or 4 to 20 mA DC
- Input impedance: 250 Ω (Current input)
- Output signal: 1 to 5V DC (Edge connector output)
- Output resistance: 250 Ω
- Current to voltage conversion accuracy: $\pm 0.05\%$ FS (Current input)
- Power supply: 24V DC $^{+10}_{-15}\%$
- Transmitter power supply: 24V DC $\pm 10\%$, 25 mA (w/ 35 mA current limit circuit)
- Current consumption: 40 mA (w/ transmitter power supply) max. (at 24V)
- Insulation resistance: 500V DC, 100 M Ω min (GND - Signal terminal)
- Withstand voltage: 1000V AC, 1 minute (GND - Signal terminal)
- Ambient temperature:
 - Normal operating condition; 5 to 45°C
 - Operation limit; -5 to 55°C
- Ambient humidity: 0 to 90%RH
- Mounting: File
- Front mask color: Black
- Weight: 250 g
- Operating influence: Temperature effect; $\pm 0.1\%$ FS/20°C



Model Number Table

Basic Model Number	Selections		Additions	Description
	I	II	I	
J-SPM61				Analog input through-card module
	X			No varnish coated
	C			Varnish coated
		-1		Transmitter without power source
		-2		Transmitter with power source
			0	No selection
			-0	Without test report
			-1	With test report

Dimensions and Wirings



w/o transmitter power supply

No.	Description
1	Input (-)
2	Input (+)
3	—
4	Output (+) ^{*1}
5	Output (-) ^{*1}
6	COM ^{*2}
7	PC ^{*2}
8	—
9	GND

w/ transmitter power supply

No.	Description
1	—
2	Transmitter input (-)
3	Transmitter input (+)
4	Output (+) ^{*1}
5	Output (-) ^{*1}
6	COM ^{*2}
7	PC ^{*2}
8	—
9	GND

*1 : Voltage signals are taken out in parallel.

*2 : Since signal common and power supply common are short-circuited with a jumper, remove it depending on operating condition.

Please read the "Terms and Conditions" from the following URL before ordering or use:

<http://www.azbil.com/products/bi/order.html>

Specifications are subject to change without notice.

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Azbil Corporation

Advanced Automation Company

1-12-2 Kawana, Fujisawa

Kanagawa 251-8522 Japan

URL: <http://www.azbil.com/>

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