Product Type

207-A202F / 207-A204F

4-channel / 8-channel analog input

Specifications

Size: (L122 x W66 x H114 mm)

Protocol: EtherCAT

Cable Type: CAT5 UTP/STP Ethernet Cable

Surge Protection: 10KV

IO Isolation Voltage: 2.5KVrms

<Analog Output>

Effective Resolution: 16-bit

Output Mode: Single End

Output Range:

207-A202F: 4-CH ±10V

207-A204F: 8-CH ±10V

Accuracy: ±0.2%

<Environment>

Input Voltage: 24VDC±10%

Power Consumption: 3W typical

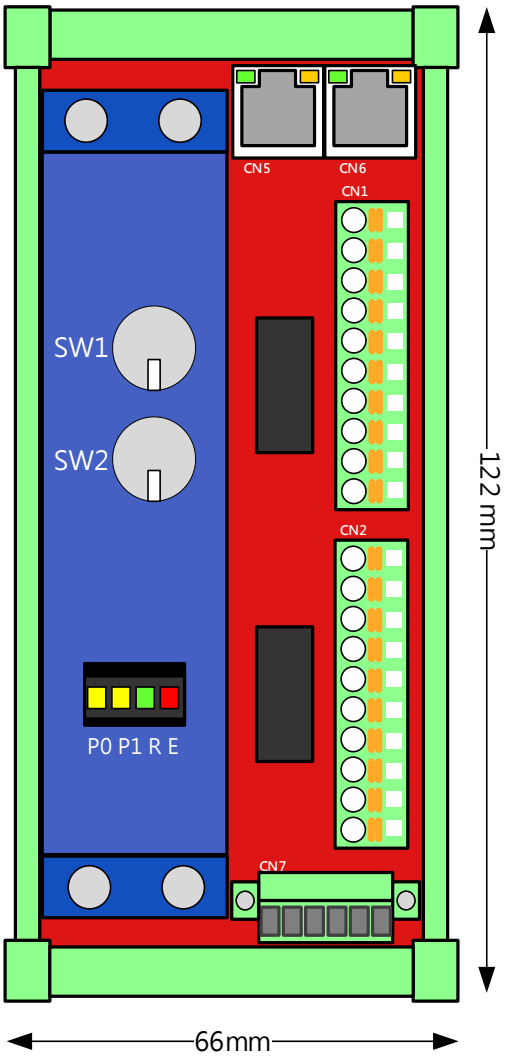
Working Temperature: 0 ~ 60°C

Ordering Information

207-A202F – 4-channel analog output, 16-bit, ±10V

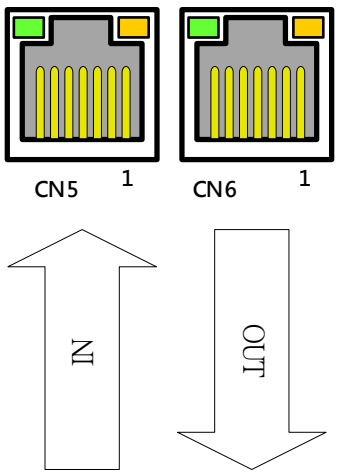
207-A204F – 8-channel analog output, 16-bit, ±10V

- **IO Interface**



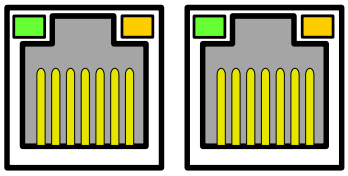
Label	Function
CN1	I/O Signal Connector
CN2	I/O Signal Connector
CN5	EtherCAT Communication IN
CN6	EtherCAT Communication OUT
CN7	Power Connector
SW1	Address Switch1
SW2	Address Switch2

- **Communication IN and OUT**

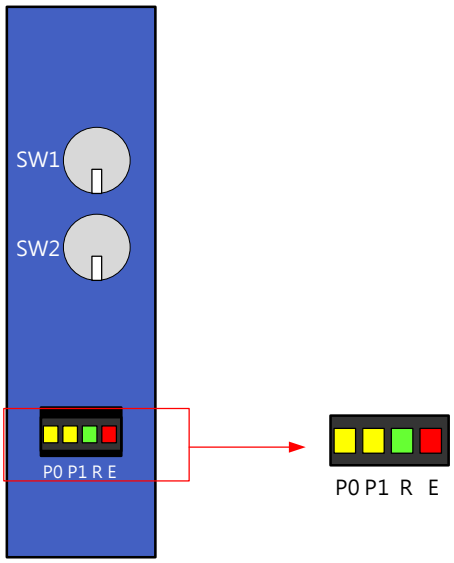


No.	Description
1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX-
7	-
8	-

- **Status LED**

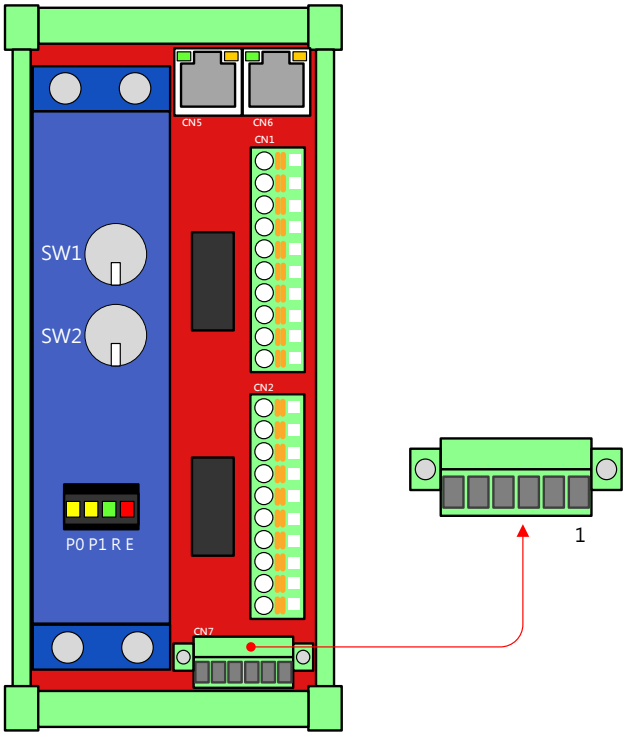


LED	Description
Left (Orange)	Link/Activity indicator: Blinking – There is activity on this port. Off – No link is established.
Right (Green)	Speed indicator: Green on – Operating as a 100/1000-Mbps connection. Off – Operating as a 10-Mbps connection.



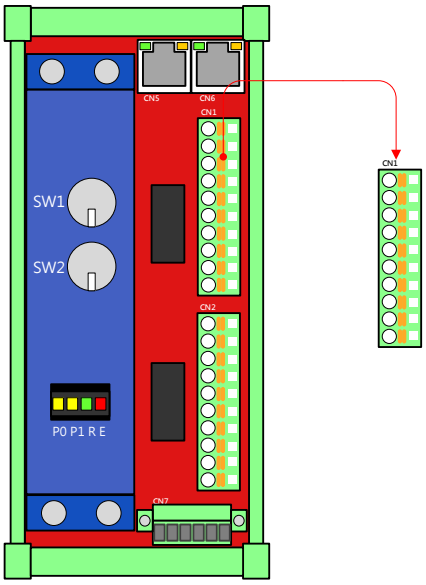
LED	Description
P0 - Yellow	DC +24V Supply
P1 - Yellow	DC +5V Supply for Internal
R - Green	In Normal Communication
E - Red	Error Communication

- **Power connector**

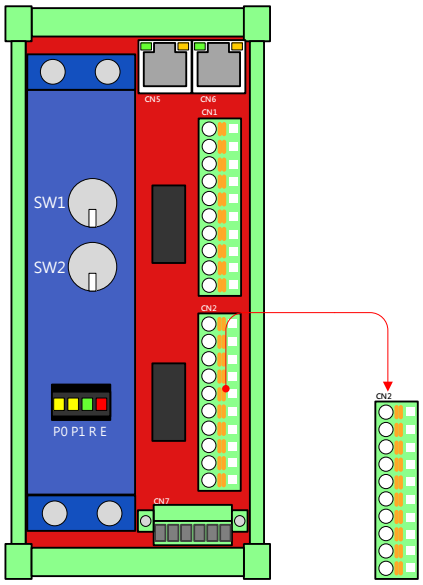


Pin	Label	Function
1	24V	DC 24V Input
2	GND	DC 24V ground
3	FG	Field ground
4	24V	DC 24V Input
5	GND	DC 24V ground
6	FG	Field ground

- **I/O control connector**

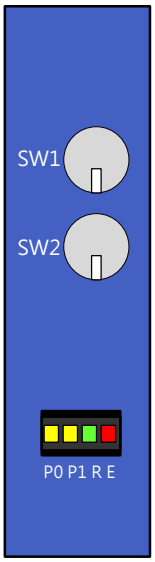


CN1		
Pin	Label	Function
1	AO0	Analog Output #0
2	AGND	Analog Ground
3	AO1	Analog Output #1
4	AGND	Analog Ground
5	AO2	Analog Output #2
6	AGND	Analog Ground
7	AO3	Analog Output #3
8	AGND	Analog Ground
9	-	-
10	-	-



CN2		
Pin	Label	Function
1	AO4	Analog Output #4
2	AGND	Analog Ground
3	AO5	Analog Output #5
4	AGND	Analog Ground
5	AO6	Analog Output #6
6	AGND	Analog Ground
7	AO7	Analog Output #7
8	AGND	Analog Ground
9	-	-
10	-	-

- **SW1 & SW2: node number setting**



Label	Description	Value
SW1	node number_L	0 ~ 15
SW2	node number_H	0 ~ 15

Note that node number = 16*SW2 + 1*SW1.

E.g. SW1 = 10, SW2 = 2. The node number will be set as “2 x 16 + 10 x 1= 42”.

Default values are all 0.

Analog Output Signal Circuit