

## S1T-4P-202D DC input / 60V Load PhotoMOS

### User's Guide



Thank you for purchasing product of SAMWON ACT.

Please check model of product that you purchase first, and read this manual prior to use it.

#### ● Caution for Safety

**⚠ Caution** Case that results in serious damage in human body or equipment, and fire if user handles this equipment wrongly

**⚠ Warning** Case that results in slight damage in human body or equipment, and fire if user handles this equipment wrongly

#### **⚠ Caution**

1. When machining and wiring the mounting hole, do not allow foreign matter such as dust or wire covering to enter the connection terminal. Failure to do so may result in damage to the unit, heat, or ignition.
2. Be sure to shut off the power supply from the outside before mounting and wiring.

※ The connection cable for PLC of various makers is provided by us. Please refer to the catalogue or contact Head or branch office if you need more detail models and specifications.

#### **⚠ Warning**

1. Use within the specified temperature range, (−10℃ ~ +50℃) Damage to the outer case may occur.
2. Use within the specified rated voltage and rated current range. This may result in fire or damage to the product.
3. Read this user's guide which is attached to product, and check product's nominal, specification, wiring diagram and how to handle prior to use.
4. Please make sure to check the diagram and the arrangement of the controller PIN (terminal) when wiring. It may be the cause of malfunction or damage of this equipment and user's.

## ● Model Selection

Model	Installation Relay	IO Point(s)	Input Rate voltage	Common		Interface		Dimensions (W×Dmm)	Mounting method
				Input	Output	Input	Output		
S1T-4P-202D	PANASONIC AQZ202D	1Point (1a×1)	5~24V DC	Individual Power (Short bar built)	Individual Com. (Short bar built)	Screw Terminal M3 Screw		10.0 × 67.0	DIN Rail (Channel)

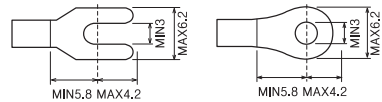
## ● AQZ202D Specification (Ambient temperature 25℃)

Item				AQZ202D
Input	Input voltage			30V
	Input reverse voltage			5V
	Power dissipation			300mW
	Operate voltage	Typical	1.4V	
		Maximum	4V	
	Turn off voltage	Minimum	0.8V	
		Typical	1.3V	
Output	Load voltae (Peak AC)			60V
	Continuous load current (Peak AC)			2.7A
	Peak load current			9.0A
	Power dissipation			1.6W
Transfer characteristics	Switching speed	Turn on time	Typical	5.8ms
			Maximum	10.0ms
		Turn off time	Minimum	0.2ms
			Typical	3.0ms
Total power dissipation				1.6W
I/O isolation voltage				2,500V AC
Country of origin				JAPAN

## ● Material/Specification

Case	Modified PPO
P.C.B	Epoxy 1.6t
Applicable wire	AWG22~16 (MAX 1.5mm <sup>2</sup> )
Terminal Screw	M3 X 8L
Screw torque	7~8Kgf·cm (0.68~0.78N·m)
Ambient temperature	-10℃ ~ +50℃ (No condensation)

## ● Applicable crimp terminal

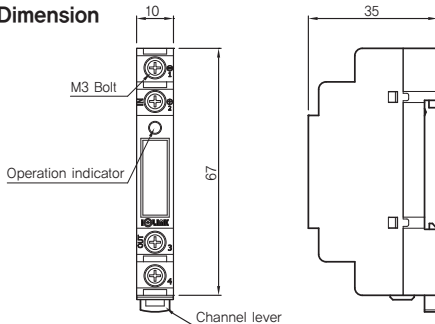


## ● Accessories

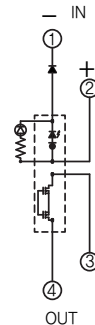
- 4Pole Short bar  
(When purchasing 10 units, 5 embedded)



## ● Dimension



## ● Diagram



- ※ The above specifications are subject to change without notice.  
 ※ Please contact HQ or branch office where you purchased product for A/S of this product or technique.

## Major products

- Relay terminal 1, 2, 4, 6, 8, 16, 32point
- Interface terminal 20, 24, 26, 34, 40, 50, 57, 40 x 2pole
- PLC I/O Connecting cables MITSUBISHI, LSIS, CIMON, OMRON, FUJI, YOKOGAWA, HITACHI, SIEMENS, AB, etc.
- Servo Connecting cables Encoder cable, Power cable, Motion cable / MITSUBISHI, YASKAWA, OMRON, PANASONIC, LSIS, SAMSUNG, etc.
- Wiring harness / Special cable assembly