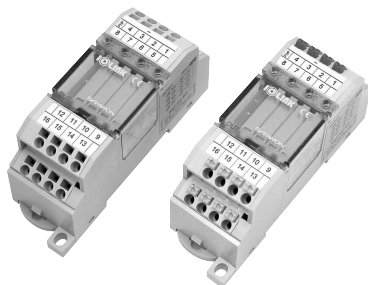


R4T-E Series 4Points, Mounting Push-typed Screwless Terminal Block

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. Do Not use other voltage except appointed voltage. It may be the cause of fire or damage of equipment.
2. Use it within nominal voltage and current which are marked on load.
It may be the cause of fire or damage of equipment.
3. Check COMMON polarity of using controller (PLC, etc) first, and then select proper product.
It may be the cause of fire or damage of this equipment and user's.
4. Please make sure to check the internal wiring diagram of the relay board and the arrangement of the controller PIN (terminal) when wiring the relay board between the controller (PLC etc.).
It may be the cause of malfunction or damage of this equipment and user's.

※ 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. Plug or unplug power line and/or connector for signal after making sure to shut off power so as that it is prevented to be damaged or malfunctioned.
2. Read this user's guide which is attached to product, and check product's performance, specification, operation pattern, signal, and how to handle prior to use. Keep user's guide please.
3. When wiring the terminal block, push in the cable to the end that meets the specifications, and use a suitable tool to remove it.
4. Use removal key which is supplemented for replacement.

• Model Selection

Model		Installation Relay	IO Point(s)	Coil Rated voltage	Common		Interface		Dimensions (W × Dmm)	Mounting method
Standard type	Removal button type				Coil	Contact	Coil	Contact		
R4T-YC-E1	R4T-YC-E1/B	TAKAMISAWA NYP-24W-K	4Point (1a × 1)	24V DC	Individual Power	Individual Com. (4P Short bar built)	Screwless Terminal (Push type)	27.8 × 91.0	Screw mounting DIN Rail (Channel)	
R4T-YC-E2	R4T-YC-E2/B				NPN 					
R4T-YC-E3	R4T-YC-E3/B				PNP 					
R4T-16P-E1	R4T-16P-E1/B	PANASONIC APAN3124			Individual Power					
R4T-16P-E2	R4T-16P-E2/B				NPN 					
R4T-16P-E3	R4T-16P-E3/B				PNP 					

• Relay Specification

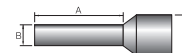
Item		NYP-24W-K	APAN3124
Contact	Arrangement	1a	1 Form A (Bifurcated)
	Nominal switching capacity (resistive load)	5A 250V AC / 5A 30V DC	5A 250V AC / 5A 30V DC
	Max. switching current	5A	5A
	Max. switching voltage	270V AC / 150V DC	250V AC / 110V DC (0.4A)
	Nominal voltage	24V DC	24V DC
Coil	Pick-up Voltage	16.1V DC	70% max. of Rated voltage
	Drop-out Voltage	2.4V DC	5% min. of Rated voltage
	Coil resistance	4,800 Ω	5,236 Ω
		120mW	110mW
	Nominal operation power		
Surge voltage between contact and coil		5,080V	6,000V
Initial breakdown voltage between contact and coil		3,000V AC 1min	3,000V rms for 1min
Country of origin		JAPAN	CHINA

• Material/Specification

Terminal	PA6	
Pin header	Copper, Tin plated	
Wire guard	Stainless steel	
Cover	Modified PPO	
P.C.B	Epoxy 1.6t / 2oz	
Applicable wire	Single wire	0.5 ~ 1.5 mm ²
	Twisted wire	UL : 17 ~ 22AWG / IEC : 1.0mm ²
Wire stripping length	9~10mm	

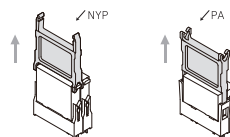
※ Be sure to use a ferrule when using a stranded wire.

• Ferrule Selection (When using a stranded wire)



AWG/mm ²	DIN46228	Other	A(mm)	B(mm)	C(mm)
20/0.5	White	White/Orange	10.0	1.3	3.2
18/0.75	Gray	Blue/White	10.0	1.5	3.4
17/1.0	Red	Red/Yellow	10.0	1.7	3.6

• How to replace relay



• Accessories

• Short Bar (1ea)



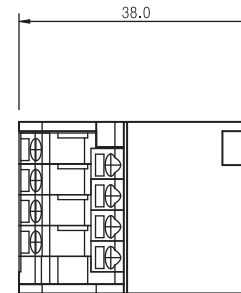
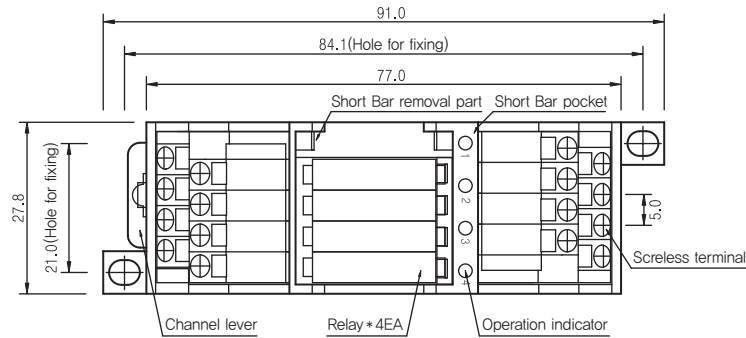
• Appropriate tool (When removing the wire)

* $\ominus$ Driver



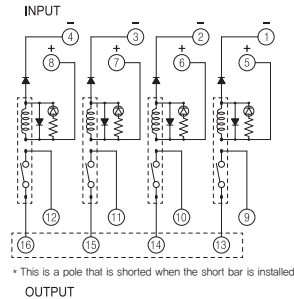
$\ominus$ 2.6mm $\pm$ 0.35t

• Dimension

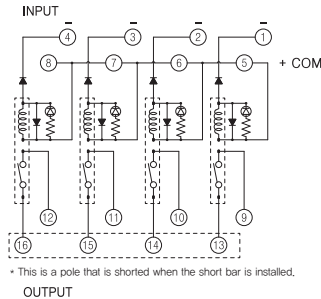


• Wiring Diagram

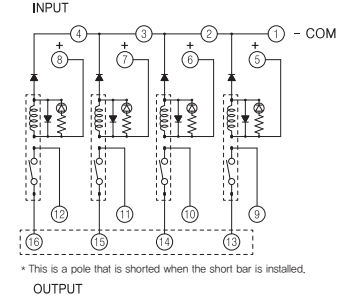
• R4T-16P-E1/R4T-YC-E1



• R4T-16P-E2/R4T-YC-E2 (NPN) (+COM)



• R4T-16P-E3/R4T-YC-E3 (PNP) (-COM)



※ 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