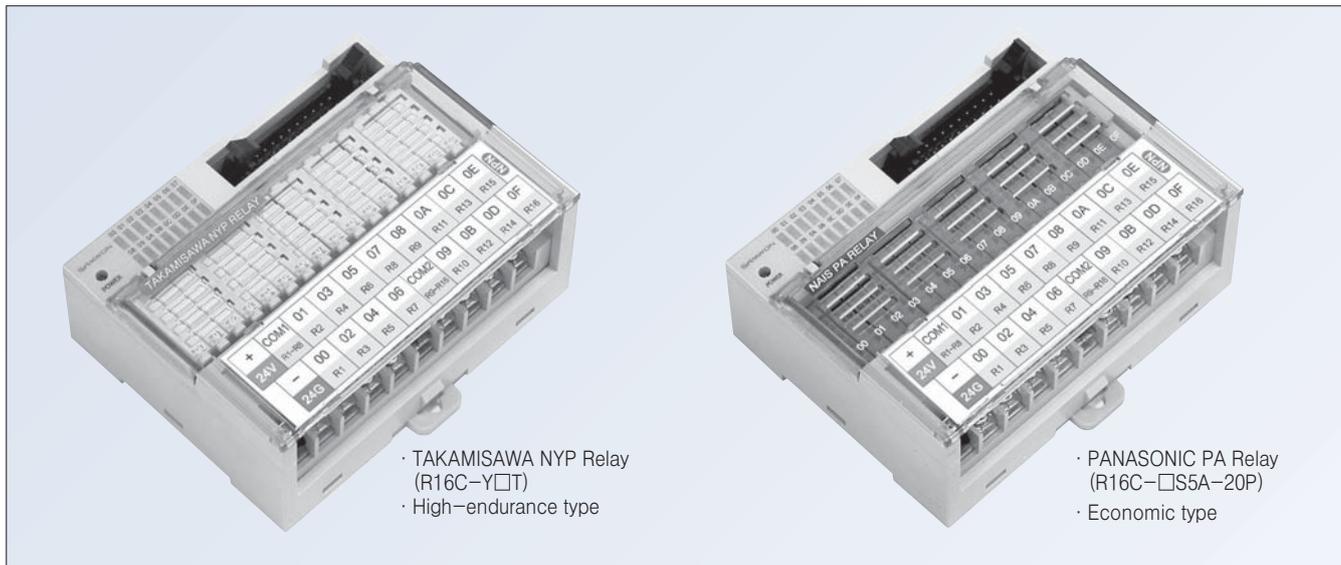


R16C-A Series (16 points, 8 contacts common)

Smallest 16 Points Relay Board (2 Models mounting Takamisawa / Panasonic Relay respectively available)

2



■ Features

• Domestically Smallest 16 Points Common Relay Board with 8 Ports at Load side

With a dimension of 90.6(W) x 70.0(D) x 39.5(H), it is most suitable for the reduction of wiring process and the minimization of equipment dimension.

• 2 Kinds of Relay : High-endurance type, Economic type

- High-endurance Relay Board : TAKAMISAWA NYP relay was mounted
- Economic Relay Board : PANASONIC PA relay mounted

• Improved Stability and Convenience

- As the Relay is so designed that LED for checking out the operation state of Relay can be attached and it can be mounted on Channel, the work performance is improved.

- With a built-in circuit absorbing a surge, it is possible to protect Contact Point and prevent abnormal operation.

• Safe Design meeting the requirements of PL (Production Liability) Code

- The product whose components and PCB are exposed to the outside incurs any safety accident due to an electric shock, and abnormal operation due to dust. But, our product is enclosed in a case and is designed in a very electrically safe structure.

• Supply of cable that can be connected to various PLC and Controller

- Keeping sufficient inventory of connectors that can be used for domestic/foreign PLC, M/C, DCS, DDD, etc. all the time, we can supply any order of small quantity but large kinds.

■ Model Selection

Model	Installation Relay	Point(s)	Rated voltage	Common		Interface		Dimension (W×D mm)	Mounting method
				Coil	Contact	Coil	Contact		
R16C-YNT	TAKAMISAWA NYP-24W-K	16Point (1a×16)	24V DC	NPN ⊕COM	8Points Common	Connector MIL-C-83503 20Pin	Screw terminal 7.62Pitch 20Pole	90.6×70.0	DIN Rail (Channel)
R16C-YPT				PNP ⊖COM					
R16C-NS5A-20P	PANASONIC PA1a-24V			NPN ⊕COM					
R16C-PS5A-20P				PNP ⊖COM					

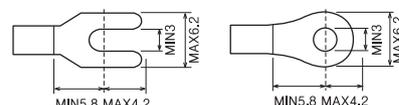
■ NYP / PA Relay specifications

Item		NYP-24W-K	PA1a-24V
Contact	Arrangement	1a	1a
	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
Coil	Nominal voltage	24V DC	24V DC
	Pick-up voltage	16.1V DC	16.8V
	Drop-out voltage	2.4V DC	1.2V DC
	Coil resistance	4,800Ω	3,200Ω
	Nominal operation power	120mW	180mW
Surge voltage between contact and coil		5,080V	4,000V
Initial breakdown voltage between contact and coil		3,000V AC 1min	2,000V rms
Country of origin		JAPAN	CHINA

■ Material / Specification

Case	Modified PPO
Cover	Polycarbonate
P.C.B	Epoxy 1.6t / 2oz
Applicable	1.25mm ² / MAX
Terminal screw	M3 X 8L
Screw torque	1.2N · m(12Kgf · cm)
Ambient temperature	-10°C ~ +50°C

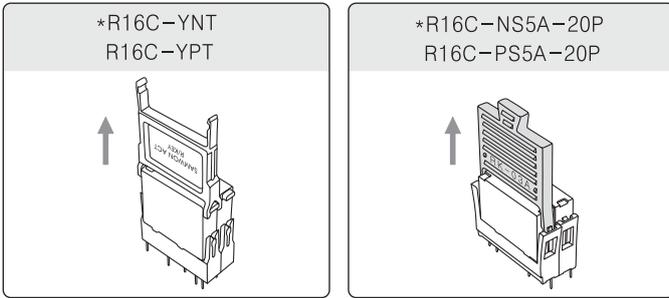
■ Applicable crimp terminal



R16C-A Series

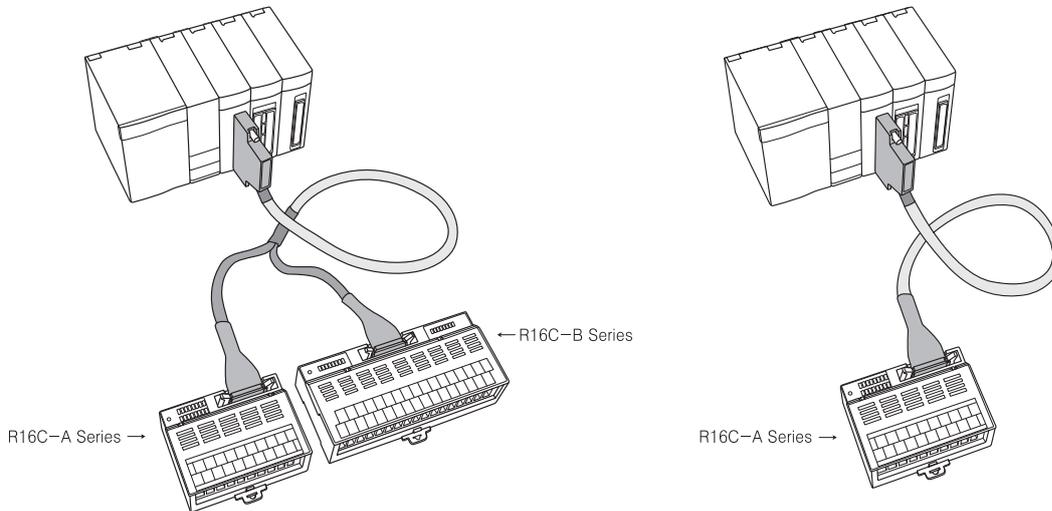
Smallest 16 Points Relay Board (2 Models mounting Takamisawa / Panasonic Relay respectively available)

■ How to replace a Relay (Tool for the replacement of a relay is built in)

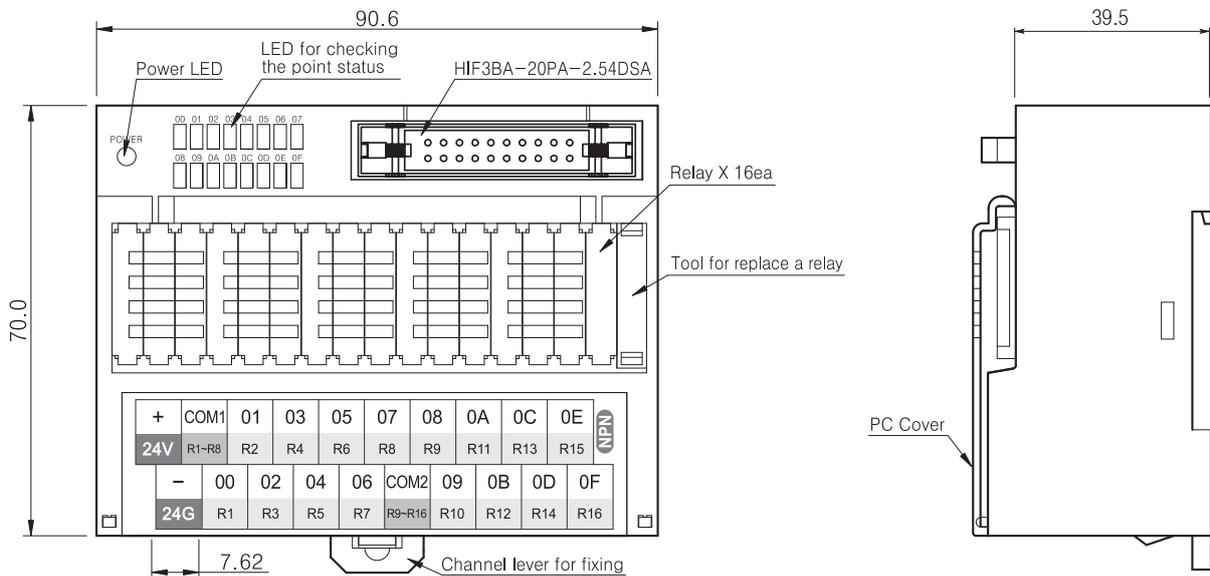


■ Examples of Connection with PLC

(For the Specification of Connection Cable by Maker, please see page160 to 185 and/or contact us.)



■ Dimension (R16C-Y□T, R16C-□S5A-20P)

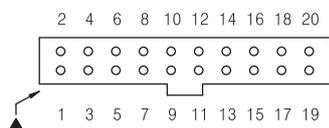


R16C-A Series

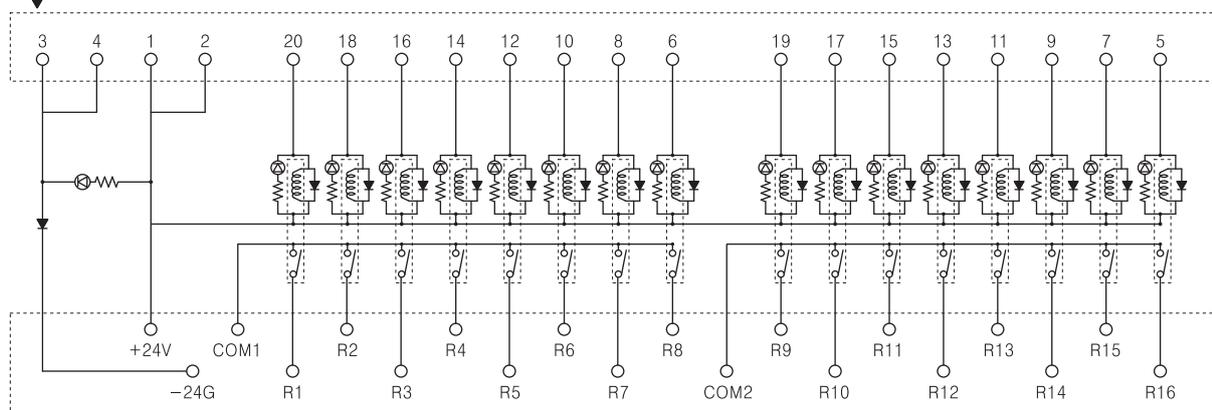
Domestically Smallest 16 Points Relay Board (2 Models mounting Takamisawa / Panasonic Relay respectively available)

■ R16C-A Series wiring diagram

* R16C-YNT / R16C-NS5A-20P (NPN) ⊕COM

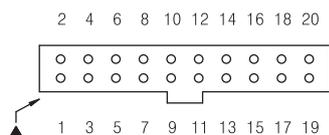


Connector

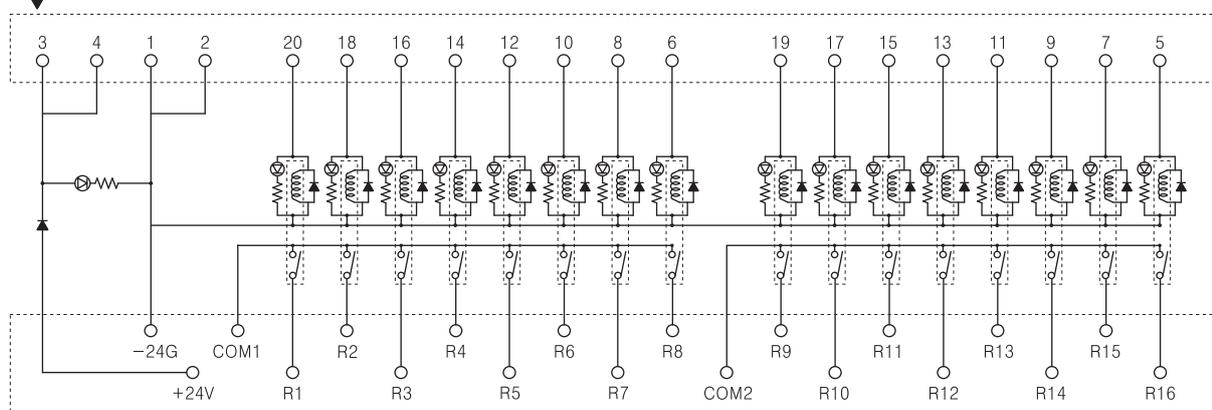


Terminal Block

* R16C-YPT / R16C-PS5A-20P (PNP) ⊖COM



Connector



Terminal Block

2