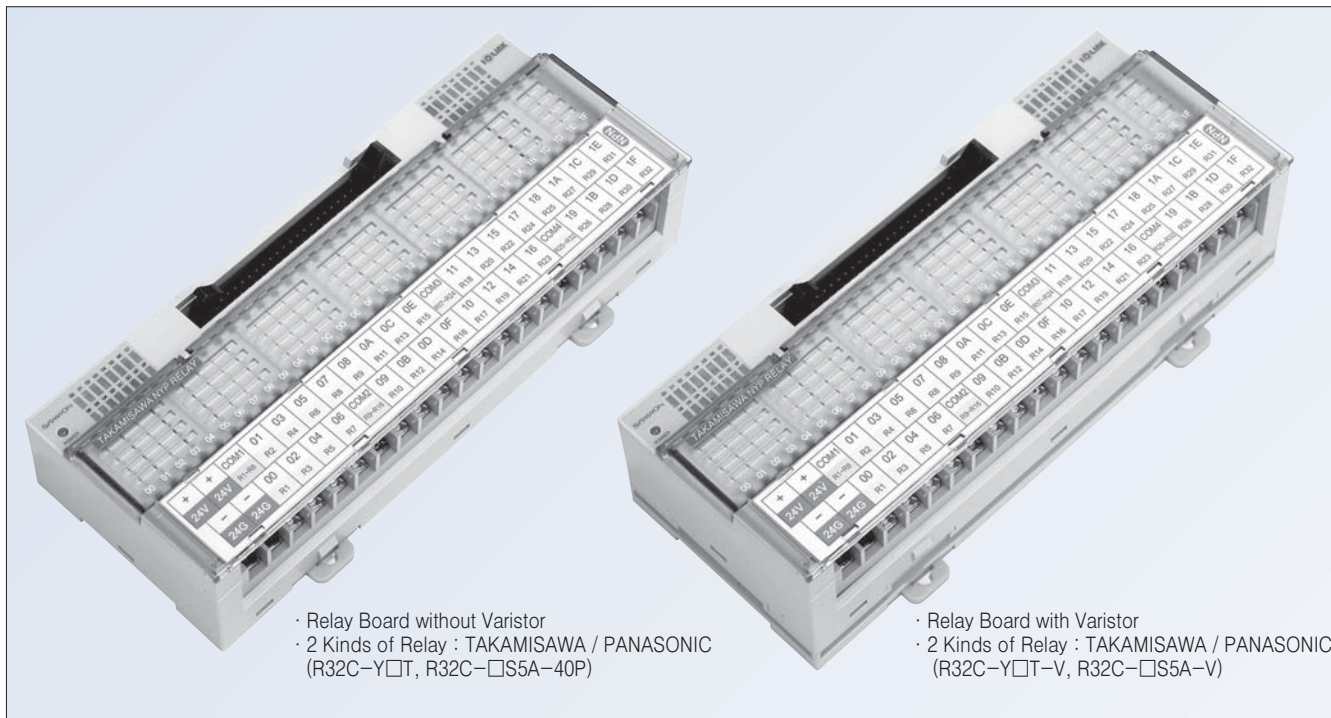




R32C Series (32 Points, 8 contacts common)

Smallest 32 Points Relay Board, most suitable for the output of control system such as PLC, etc.

2



· Relay Board without Varistor
 · 2 Kinds of Relay : TAKAMISAWA / PANASONIC (R32C-Y□T, R32C-□S5A-40P)

· Relay Board with Varistor
 · 2 Kinds of Relay : TAKAMISAWA / PANASONIC (R32C-Y□T-V, R32C-□S5A-V)

■ Features

- **Domestically Smallest-sized Relay board with 32 Points**
 - Relay board without Varistor : 174.0(W) x 70.0(D) x 39.5(H)
 - Relay board with Varistor : 174.0(W) x 70.0(D) x 49.5(H), equipment dimension is minimized
- **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
- **Production of Relay Board mounting Varistor for Contact Protection**
 - As Varistor is attached to both ends of Relay Contact Point in parallel, the Contact Point can be protected from Arc which occurs when opening/closing the Contact Point, which expands the life of Relay.
- **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.
 - For the Specifications of cable to be connected to various PLCs, please see page 160 to 185 'Selection List'.

■ Model Selection

Model	Installation Relay	Point(s)	Rated voltage	Common		Interface		Demension (W*D mm)	Contact protection circuit	
				Coil	Contact	Coil	Contact			
R32C-YNT	TAKAMISAWA NYP-24W-K	32Point (1a*32)	24V DC	NPN ⊕COM	8Points Common	Connector MIL-C-83503 40Pin	Screw terminal 7.62Pitch 40Pole	174.0*70.0 DIN Rail (Channel)	-	
R32C-YPT				PNP ⊖COM						
R32C-NS5A-40P	PANASONIC PA1a-24V			NPN ⊕COM						
R32C-PS5A-40P				PNP ⊖COM						
R32C-YNT-V	TAKAMISAWA NYP-24W-K			NPN ⊕COM						Varistor
R32C-YPT-V				PNP ⊖COM						
R32C-NS5A-V	PANASONIC PA1a-24V			NPN ⊕COM						
R32C-PS5A-V				PNP ⊖COM						

R32C Series (32 Points, 8 contacts common)



Smallest 32 Points Relay Board, most suitable for the output of control system such as PLC, etc.

■ NYP / PA Relay specifications

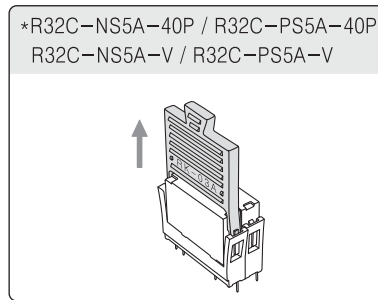
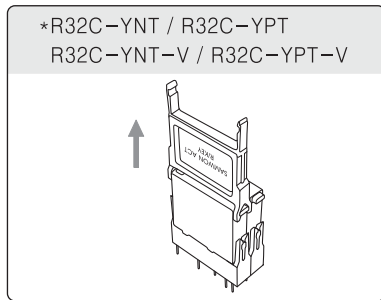
Item		NYP-24W-K	PA1a-24V
Contact	Arrangement	1a	1a
	Nominal switching capacity(resistive load)	5A 250V AC/5A 30V DC	5A 250V AC/5A 30V DC
	Max. switching current	5A	5A
	Max. switching voltage	270V AC/150V DC	250V AC/110V DC
Coil	Nominal voltage	24V DC	24V DC
	Pick-up voltage	16.1V DC	16.8V
	Drop-out voltage	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

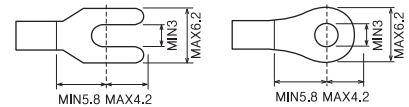
Case	Modified PPO
Cover	Polycarbonate
P.C.B	Epoxy 1.6t / 2oz
Applicable wire	1.25mm ² / MAX
Terminal Screw	M3 X 8L
Screw torque	1.2N · m(12Kgf · cm)
Ambient temperature	-10°C ~ +50°C

2

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



■ Applicable crimp terminal

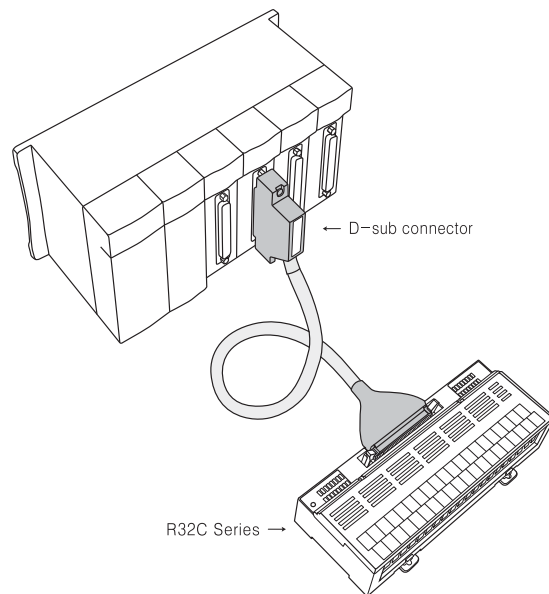
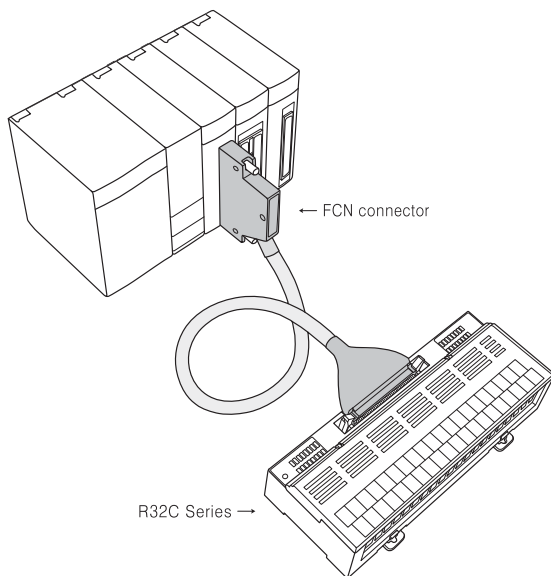


■ Examples of Connection with PLC

(For the Specification of Connection Cable by Maker, please see page 160 to 185 and/or contact us.)

• MITSUBISHI, LS XGT

• LS GLOFA



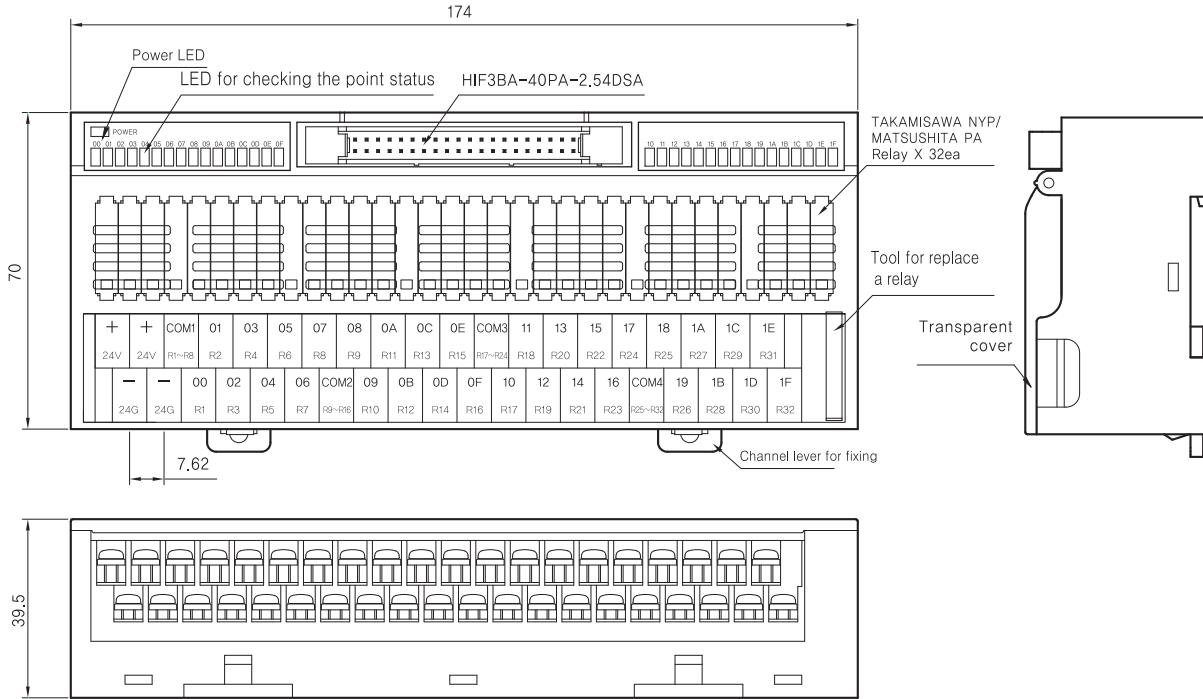


R32C Series (32 Points, 8 contacts common)

Smallest 32 Points Relay Board, most suitable for the output of control system such as PLC, etc.

R32C Series (Without Varistor) Dimension

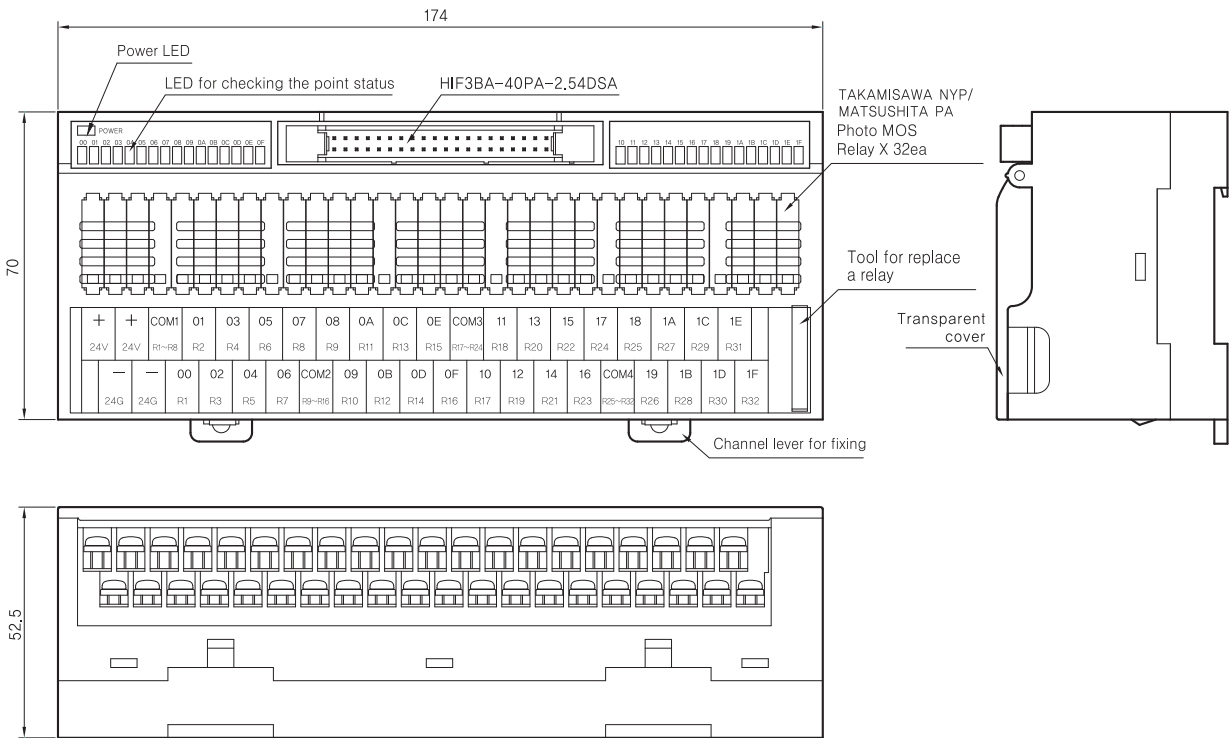
* R32C-Y□T, R32C-□S5A-40P



2

R32C Series (With Varistor) Dimension

* R32C-Y□T-V, R32C-□S5A-V



R32C Series (32 Points Common type with 8 ports for load)

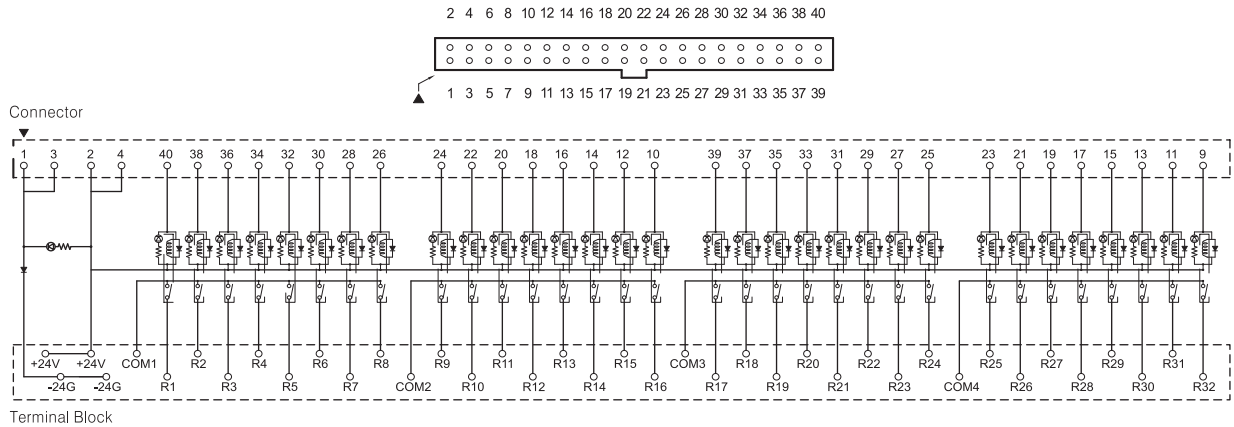


Domestically Smallest 32 Points Relay Board, most suitable for the output of control system such as PLC, etc.

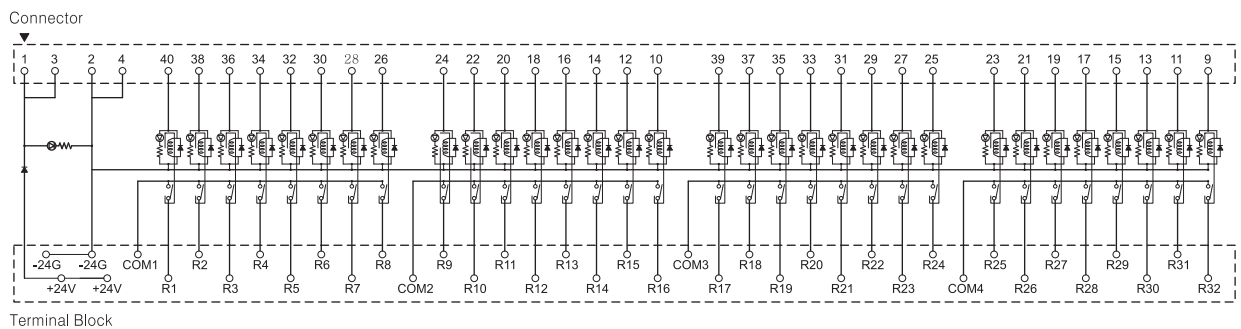
2

R32C Series (Without Varistor) Wiring diagram

* R32C-YNT / R32C-NS5A-40P (NPN) \oplus COM

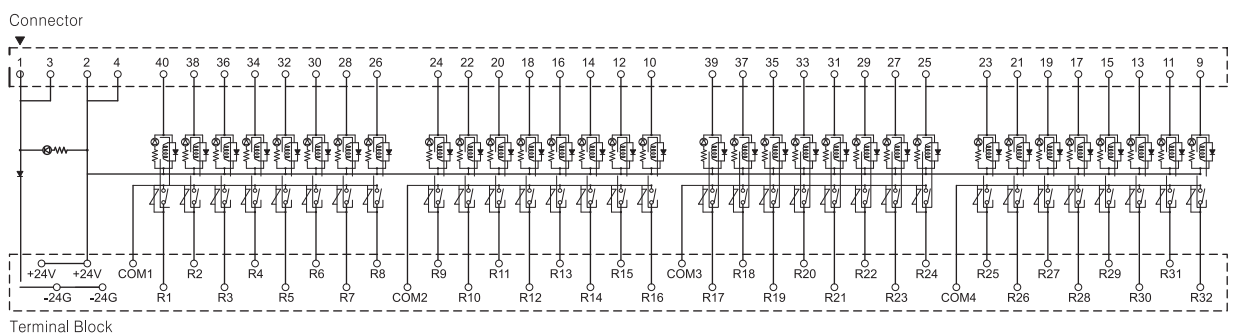


* R32C-YPT / R32C-PS5A-40P (PNP) \ominus COM



R32C Series (With Varistor) Wiring diagram

* R32C-YNT-V / R32C-NS5A-V (NPN) \oplus COM



* R32C-YPT-V / R32C-PS5A-V (PNP) \ominus COM

