

# General Specifications

## RY0 Relay Output Card

**JUXTA**

GS 77J06B10-01EN

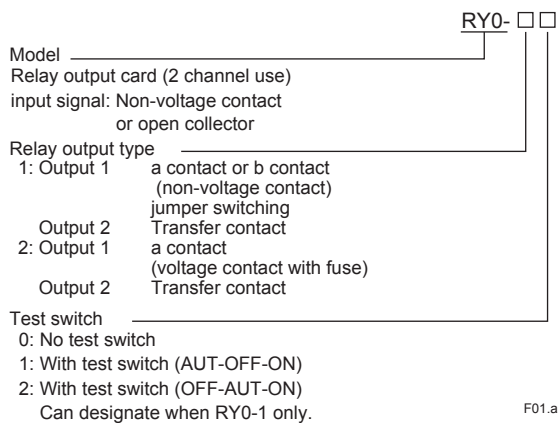
### ■ GENERAL

This unit receives status output signal of DCS status card through relay and outputs status card signal and electrically isolated contact signal to the field.

One unit stores 2 channels.

- There are 2 output contacts  
Output 1: Non-voltage contact output (a and b contacts can be switched by jumper) or voltage contact output  
Output 2: Non-voltage contact output (transfer contact, current capacity 3 A)
- Furnished with test switch convenient for debugging of DCS or checking operation and LED for status display.

### ■ MODEL AND SUFFIX CODES



### ■ ORDERING INFORMATION

(Example) Type Code: RY0-11

### ■ SPECIFICATIONS

- Structure: Nest storing type, connector connection structure card type, front by terminal and rear by connector connections. Terminal cover furnished.
- Isolation: Between input•power supply - output  
1 - output 2 - power supply for voltage contact - alarm terminal
- Power fuse: 1.0 A fuse installed in when Output 1 and voltage contact
- Alarm: Non-voltage contact output from alarm terminal when power fuse break
- Test switch:  
AUT: Output contact ON/OFF by external contact input  
OFF: Output contact compulsorily OFF (when a contact)  
ON: Output contact compulsorily ON (when a contact)
- LED display: Light on (orange) when relay magnetized

### ■ I/O SPECIFICATIONS

Input signal: Non-voltage contact or open collector  
External contact specs: 24 V DC, more than 30 mA

Output signal:

Relay contact: 2 points

Contact rating

Output 1:

(1) When non-voltage contact

Resistance load 250 V AC 3.0 A, 30 V DC 3.0 A,  
125 V DC 0.2 A

Inductance load 250 V AC 1.5 A, 30 V DC 1.5 A,  
125 V DC 0.1 A

Max. voltage use 250 V AC/125 V DC

(2) When voltage contact

Resistance load 125 V AC 0.6 A, 30 V DC 0.6 A,  
125 V DC 0.1 A

Max. voltage use 125 V AC/125 V DC

Output 2 :

Resistance load 250 V AC 3.0 A, 30 V DC 3.0 A,  
125 V DC 0.2 A

Inductance load 250 V AC 1.5 A, 30 V DC 1.5 A,  
125 V DC 0.1 A

Max. voltage use 250 V AC/125 V DC

Relay contact protection: When driving inductance load, erase noise to protect contact

### ■ STANDARD PERFORMANCE

Insulation resistance:

(RY0-1x) 100 MΩ (500 V DC) between  
[input•power supply] - CH1 output 1  
- CH2 output 1 - CH1 output 2 - CH2  
output 2

(RY0-2x) 100 MΩ (500 V DC) between  
[input•power supply] - CH1•CH2 output  
1 - CH1 output2 - CH2 output 2 - alarm  
contact output

Voltage withstand:

(RY0-1x) 1500 V AC/1 minute between  
[input•power supply] - CH1 output 1  
- CH2 output 1 - CH1 output 2 - CH2  
output 2

(RY0-2x) 1500 V AC/1 minute between  
[input•power supply] - [CH1•CH2 output  
1] - CH1 output 2 - CH2 output 2 - alarm  
contact output

However, except between [CH1•CH2  
output 1] - alarm contact output.  
500 V AC/1 minute between [CH1•CH2  
output 1] - alarm contact output

Ambient temperature & humidity:

Normal operating condition: 0 to 50°C, 5  
to 90%RH

Operating limit: -10 to 60°C, 5 to 95%RH

Storing condition: -40 to 70°C, 5 to  
95%RH (no condensation)

Power voltage: 24 V DC±10% (ripple content below  
10%p-p)

Current dissipation: 24 V DC 60 mA

## ■ MOUNTING, SHAPE & ACCESSORIES

Mounting method: Store in exclusive nest (RYH or RYV)

Connection method:

Input: Connector connection

Output 1, Output 2: M3.5 screw terminal connection

Alarm terminal: Connector connection

24V relay power supply: Connector connection

Power supply for voltage contact: Connector connection

Material of terminal screw: Nickel plated iron

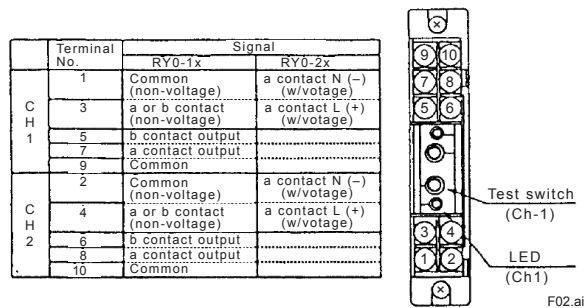
(tightening torque: less than 8 kgf·cm)

External dimension: 108 (H) × 21.4 (W) × 129.5 (D) mm

Weight: About 150g

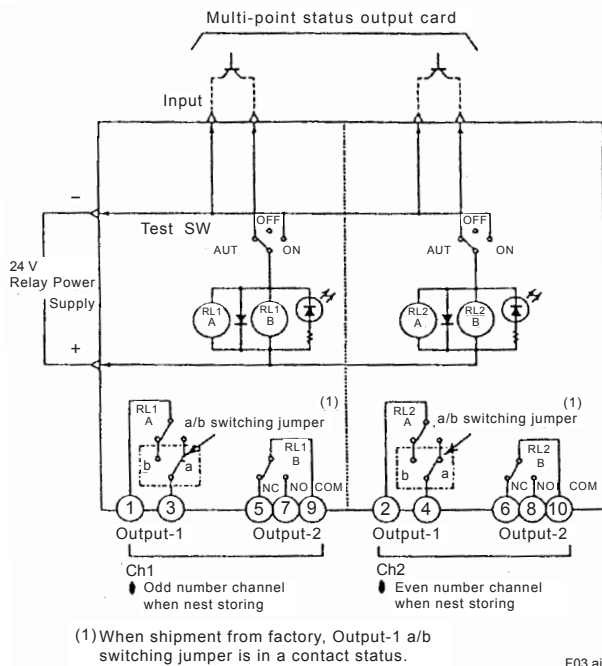
Accessories: Tag number label 1

## ■ TERMINAL ARRANGEMENT

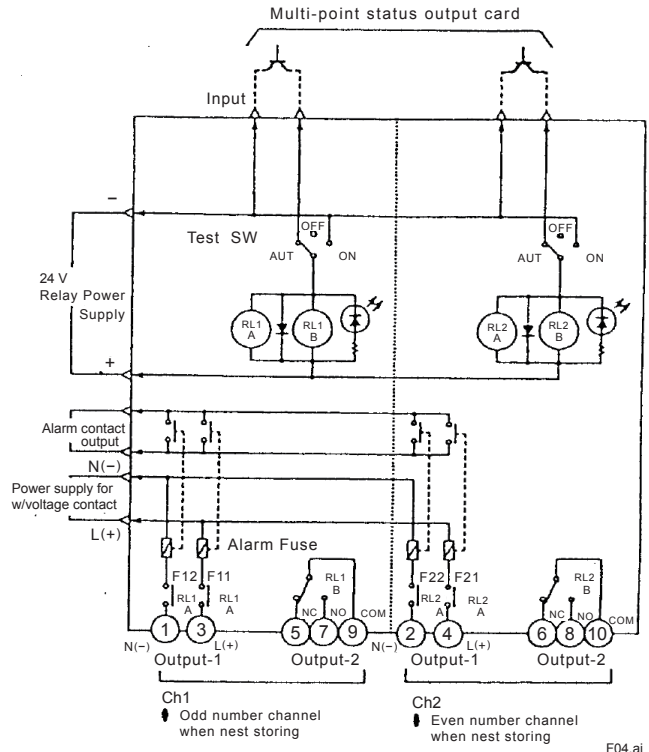


## ■ BLOCK DIAGRAM

- RY0-1□ (Output-1: Non-voltage contact output)



- RY0-2□ (Output-1: voltage contact output)



### EXTERNAL DIMENSION

