

# General Specifications

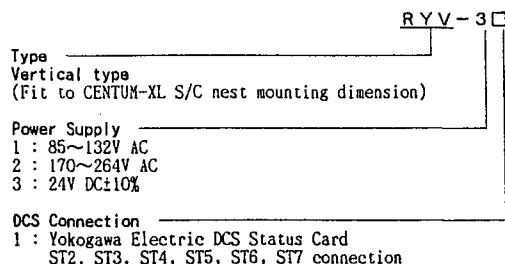
## RVY Relay I/O Cards Nest (Vertical Mounting Type)

JUXTA

This vertical mounting type nest is used to store relay I/O cards to fit mounting dimension of CENTUM-XL S/C nest.

- Can store upto 16 units (32 channels) relay I/O cards.
- Can make mixed store of replay input and output cards in one nest.
- Can connect between nest and DCS with connector.
- Can connect with sequencer since necessary power to receive signal between nest and sequencer is supplied from the nest.
- Non-voltage contact of nest alarm terminal becomes ON when break of fuse in relay I/O cards.

Specifications	
Number of relay I/O cards be stored	16 units (32 channels, 2 channels per card) Combination : ① Input card 16 units (32 channels) ② Input card 8 units (16 channels) Output card 8 units (16 channels) ③ Output card 16 units (32 channels)
Supply power	Supply power to 16 I/O cards in block
Alarm	Non voltage contact outputs from alarm terminal when fuse breaks in I/O card. Output rating : 30V DC, 300mA (Set flash off circuit in parallel to load when connecting conduct circuit externally)
Standard Performance	
Insulation resistance	(RVY-3□) 100MΩ (500V DC) between relay drive 24V DC power supply ~ voltage contact output power supply ~ connector ~ alarm terminal ~ ground (RVY-1□, 2□) 50MΩ (500VDC) between relay drive 24V DC power supply ~ voltage contact output power supply ~ connector ~ alarm terminal ~ ground
Voltage withstand	(RVY-11,12) 1500V AC/1 minute between voltage contact power supply ~ alarm contact output ~ connector (CN1-2-3) ~ power supply ~ ground Connector (CN1-2-3) ~ ground ~ power supply 500V AC/1 minute between voltage contact power supply ~ alarm contact output ~ connector (CN1-2-3) ~ ground (RVY-31) 1500V AC/1 minute between voltage contact power supply ~ alarm contact output ~ connector (CN1-2-3) ~ power supply ~ ground 500V AC/1 minute between voltage contact power supply ~ alarm contact output Connector (CN1-2-3) ~ power supply ~ ground
Ambient temperature & humidity	Normal operating condition : 0~50°C, 5~90%RH Operating limit : -10~60°C, 5~95%RH Storing condition : -40~70°C, 5~95%RH (no condensation)
Supply voltage	24V DC±10% (ripple content : less than 10%p-p) or 85~132V AC, 170~264V AC
Power supply for voltage contact output	Less than 125V AC/125V DC Load current capacity : 32 channels (16 output cards) total less than 10A
Mounting, Shape & Accessories	
Mounting method	Wall mounting (Apply to CENTUM-XL S/C, relay board, etc.)
Connecting screw	M5 screw, 4 places
External connection	Power supply, ground, alarm : M4 screw terminal DCS side connecting cable ST2/ST3/ST4 card connection : KS2 ST5/ST6/ST7 card connection : KS9
Paint color	Black
External dimension	DC power supply use : 110x490x102.5 (HxWxD) AC power supply use : 110x490x142.4 (HxWxD)
Weight	About 2 kgs (DC power supply use), 2.3 kgs (AC power supply use)
Accessories	Mounting bracket 1 pair      Nest tag number label 1 Card tag number label 16



ORDERING INFORMATION  
(Example) Type Code : RVY-31

Power Supply-Alarm Terminal Arrangement

● DC Power Supply use

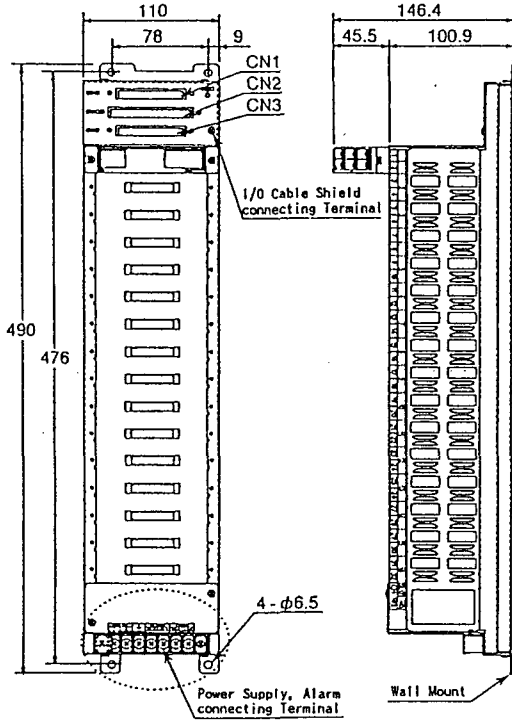
	⑦	⑥	⑤	④	③	②	①	⊗
Terminal No.	RYH-31							
①	L(+)	Voltage Contact						
②	N(-)	Output Power Supply						
		Less than 125V AC/DC						
③	AL1	Relay I/O Card						
④	AL2	fuse break						
⑤	+	24V DC						
⑥	+							
⑦	-							

● AC Power Supply use

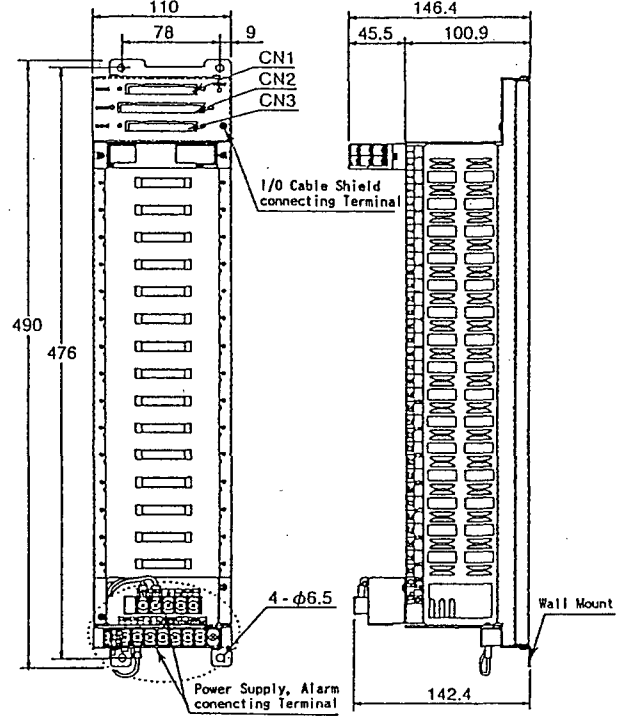
	⊗	⊗	⊗	⑦	⑥		(Upper Terminal)	
	⊗	⊗	⊗	③	④	⑤	(Lower Terminal)	
Terminal No.			RYV-11				RYV-21	
Lower	Upper		Power Supply for Voltage Contact Output					
①		L(+)	Less than 125V AC/DC					
②		N(-)						
③		AL1	Relay I/O Card fuse break					
④		AL2						
⑤	⑤	+	100/110/115/120V AC		200/220/230/240V AC			
	⑥	L	(85~132V AC)		(170~264V AC)			
	⑦	N						

External Dimension

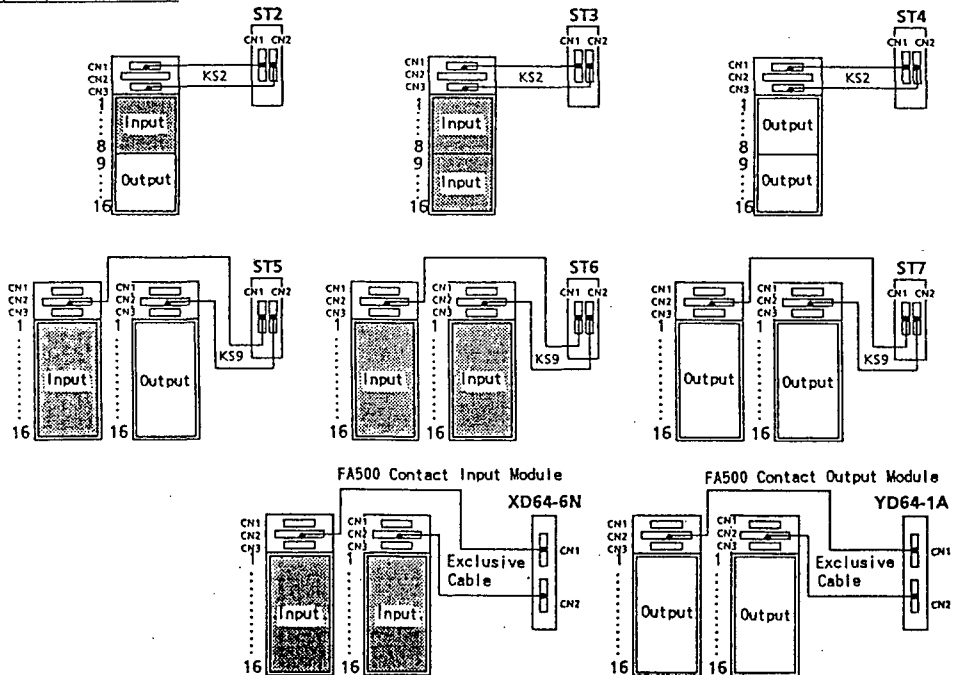
● DC Power Supply use



● AC Power Supply use



Combination Structure



Subject to change without notice for grade up quality and performance