

# General Specifications

Model VJCE-01A  
VJ Mounting Base  
(for Communication)



GS 77J01C51-11E

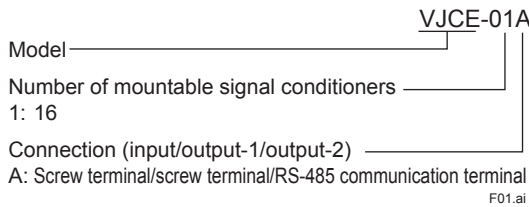
## General

The VJCE is a horizontally installed, side-by-side multiple mounting base that complies with the standard rack-mounting dimensions specified by the JIS/EIA standards. The VJCE base can accommodate up to 16 signal conditioners in the JUXTA VJ series.

The VJCE base features the following:

- Different signal conditioner models in the VJ series can be mixed and housed in the same base.
- The VJET Ethernet/RS-485 converter can be mounted.
- Multi-drop connection is used for output-2.

## Model and Suffix Codes



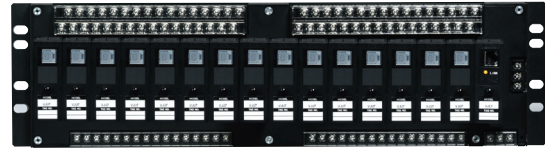
## Items to be Specified when Ordering

- Model and Suffix Codes: e.g. VJCE-01A

## Mountable Models

Mountable Signal Conditioners with Communication Functions		
Model and suffix codes	Model and suffix codes	Model and suffix codes
VJA7-02□-A□ P0	VJQ7-02□-□□ P0	VJU7-02□-□□ P0
VJH7-02□-□□ P0	VJQ8-02□-□□ P0	VJX7-02□-□□ P0
VJP8-02□-□□ P0	VJS7-02□-□□ P0	VJET-01□-1 0 0 0
Mountable Signal Conditioners of Single Output Type (*4)		
Model and suffix codes	Model and suffix codes	Model and suffix codes
VJA1-01□-A□ N0	VJH1-01□-□□ N0	VJQ8-01□-□□ N0
VJA4-01□-A□ N0	VJH7-01□-□□ N0	VJR6-01□-□□ N□
VJA5-01□-A□ N0	VJHF-01□-□□ N0	VJS2-01□-□□ N□
VJA7-01□-A□ N0	VJHR-01□-□□ N0	VJS7-01□-□□ N0
VJB1-01□-□□ N□	VJP1-01□-□□ N0	VJT6-01□-□□ N□
VJB3-01□-□□ N0	VJP4-01□-□□ N0	VJU7-01□-□□ N0
VJC1-01N-□□ N0	VJP8-01□-□□ N0	VJX7-01□-□□ N0
VJD1-01□-□□ N0	VJQ0-01□-□□ N0	VJXS-01□-□□ N0
VJF1-01□-□□ N0	VJQ2-01□-□□ N0	
VJG1-01□-□□ N0	VJQ7-01□-□□ N0	

- (\*1) Do not mount any signal conditioners other than the above. Be sure to confirm the model and suffix codes of each signal conditioner when mounting it.
- (\*2) The VJET is an Ethernet/RS-485 converter. Only one VJET can be mounted in the slot 16 of the base. (Refer to ■Assignment of Input/Output Terminals.)
- (\*3) The "□" in Model and suffix codes differs depending on the models of signal conditioner. Refer to the General Specifications of each signal conditioner.
- (\*4) RS-485 communication is not available.



## Standard Performance

Insulation resistance: 100 MΩ minimum at 500 V DC between input, output-1, output-2, power supply terminals and grounding terminals mutually.

Withstanding voltage: 2000 V AC for one minute between input, (output-1, output-2), power supply terminals and grounding terminals mutually; 1000 V AC for one minute between output-1 and output-2.

Operating temperature range: 0 to 50°C

Operating humidity range: 5 to 90% RH (no condensation)

Supply voltage range: 85 to 264 V AC/DC (47 to 63 Hz), or 12 to 48 V DC, depending on the power supply specifications of signal conditioners (Power is fed through the power supply terminals on the VJCE base directly to the mounted signal conditioners).

Note 1: Signal conditioners must be operated on the same power supply.

Note 2: Confirm the specifications of each conditioner since the operating conditions for each conditioner differ.

## Mounting and Appearance

Signal connection:

Input: M3.5 screw terminal

Output-1: M3.5 screw terminal

Output-2: M3.5 screw terminal (RS-485 communication terminal)

Installation: Rack-mounted, or wall-mounted in a horizontal position

Mounting screw: Four M5 size screws

Finish color: Black

External dimensions: Refer to External Dimensions.

Weight: Approx. 2.6 kg (the base alone)

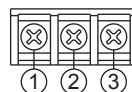
## Safety Standards

Certified for CSA1010

CSA1010 category: CAT II (IEC1010-1)

The above certified/approved instrument is only for voltage of 24 V DC ±10%.

## Assignment of Power Supply Terminals



F02.ai

Terminal Number	Signal Symbol
①	SUPPLY L (+)
②	SUPPLY N (-)
③	GND ≡

## ■ Assignment of Input/Output Terminals

Only the signal conditioners of single-output type and the signal conditioners of dual-output type with output-2 for communication (RS-485) can be mounted. Be sure to check not only the model but also suffix codes of the signal conditioner to be mounted. (Refer to ■ Mountable Models.)

"N.C." in the table denotes unassigned terminals.

Mountable Signal Conditioners		Input Terminal			Output-1 Terminal		
		1	3	4	7	9	
VJH1, VJH7, VJHF, VJHR		+	-	N.C.	+	-	
VJQ0, VJQ7					N.C.	+	-
VJXS, VJX7		(*)				+	-
VJC1 (*1)		Channel-1		N.C.	Channel-1		
		+	-		+	-	
VJT6		+	-	N.C.	+	-	
VJU7 (TC or mV input)					+	-	
VJR6		A	B	B	+	-	
VJU7 (RTD input)							
VJS2, VJS7		100%	CENTER	0%	+	-	
					+	-	
VJA1	When using internal power supply	PS+	-	N.C.	+	-	
VJA5				N.C.			
VJA7	When using external power supply (When used as an isolator)	N.C.	+	-	+	-	
				N.C.			
VJA4 (*1)		Channel-1		N.C.	Channel-1		
		+	-		+	-	
VJB1		A	±	N.C.	+	-	
VJG1		V	±	N.C.	+	-	
VJB3		A/V	±	N.C.	+	-	
VJD1		V	±	N.C.	+	-	
VJP1	Non-voltage contact / Voltage contact	N.C.	+	-	+	-	
VJP4		Internally powered current pulse (two-wire system)	PS+	+			-
VJP8					+	-	
VJQ2	Internally powered voltage pulse (three-wire system)	PS+	+	-	+	-	
VJQ8							
VJF1		N.C.	N.C.	N.C.	+	-	
		Input through one-touch fitting Ø6 of the VJF1.			+	-	
VJET (*3)		N.C.	N.C.	N.C.	N.C.	N.C.	

\*1: Only 1-channel type is mountable.

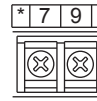
\*2: When receiving current input (current pulse), external shunt resistor (receiving resistor) is required.

\*3: Only one VJET can be mounted in slot 16 of the base. Do not mount it in other slots.

Input Terminals

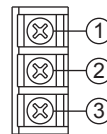


Output-1 Terminals



\*\*\* in the figure above denote a slot number. Slots are numbered from 1 to 16, beginning with the leftmost slot, when viewed from the VJCE front.

Assignment of RS-485 communication terminals (Output-2 terminals)



Terminal Number	Signal Symbol
①	RS-485 B (+)
②	RS-485 A (-)
③	RS-485 COM

\* The terminal for output-2 is multidrop-connected to the output-2 of all slot.

## External Dimensions

