General Specifications

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

JUXTA

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

VJCE-01A

Model

Number of mountable signal conditioners
1: 16

Connection (input/output-1/output-2)
A: Screw terminal/screw terminal/RS-485 communication terminal

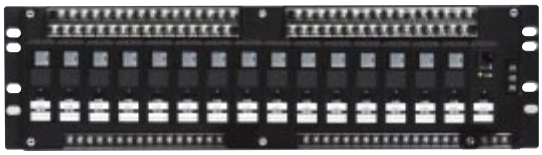
■ Items to be Specified when Ordering

- 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, ouput-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.

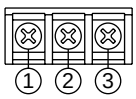
■ Mounting and Appearance

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



Terminal Number	Signal Symbol
①	SUPPLY L(+)
②	SUPPLY N(−)
③	GND ⏚

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■ Assignment of Input/Output Terminals

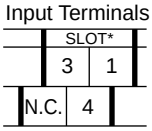
Only the signal conditioners of single-output type and the signal conditioners of dual-output type with output-2 for communication (RS-485) can be mounted. Be sure to check not only the model but also suffix codes of the signal conditioner to be mounted. (Refer to ■ Mountable Models.)

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

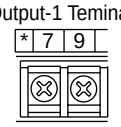
Mountable Signal Conditioners		Input Terminal 1	Input Terminal 3	Input Terminal 4	Output-1 Terminal 7	Output-1 Terminal 9
VJH1, VJH7, VJHF, VJHR VJQ0, VJQ7 VJXS, VJX7		+	−	N.C.	+	−
			(*2)			
VJC1 (*1)		Channel-1		N.C.	Channel-1	
		+	−		+	−
VJT6 VJU7 (TC or mV input)		+	−		+	−
			RJC			
VJR6 VJU7 (RTD input)		A	B	B	+	−
VJS2, VJS7		100%	CENTER	0%	+	−
VJA1 VJA5 VJA7	When using internal power supply	PS+	−	N.C.	+	−
	When using external power supply (When used as an isolator)	N.C.	+	−	+	−
VJA4 (*1)		Channel-1		N.C.	Channel-1	
		+	−		+	−
VJB1		A	±	N.C.	+	−
VJG1		V	±	N.C.	+	−
		L		N		
VJB3		A/V	±	N.C.	+	−
VJD1		V	±	N.C.	+	−
VJP1 VJP4 VJP8 VJQ2 VJQ8	Non-voltage contact / Voltage contact	N.C.	+	−	+	−
	Internally powered current pulse (two-wire system)	PS+	+	−		
				(*2)		
	Internally powered voltage pulse (three-wire system)	PS+	+	−		
VJF1		N.C.	N.C.	N.C.	+	−
		Input through one-touch fitting ∅6 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

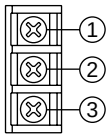


Output-1 Teminals



"*" 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

Unit : mm