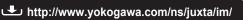
User's Manual

VJCE-011, VJCE-012, JUXTA VJCE-013, VJCE-014 VJ Mounting Base

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IM 77J01C51-01E 4th Edition Mar. 2020 (YK)

Yokogawa Electric Corporation

Thank you for purchasing the VJCE VJ mounting base. Please read through this manual as well as the manual for respective instruments of JUXTA VJ series mounted on the VJ mounting base for correct handling. Please keep this manual carefully after use.

Contents

	CAU	ITIONARY NOTES FOR SAFE USE OF THE PRODUCT	1
	INTE	RODUCTION	2
1.		DUCT OVERVIEW	
2.		ERNAL DIMENSIONS	
3.		FALLATION OF VJCE	
	3.1	Environmental Conditions	5
	3.2	Condition of Installation	5
	3.3	Installation	
4.	EXT	ERNAL WIRING	6
	4.1	Field Side Wiring and Wiring of Power Supply and Ground	6
	4.2	Field Side Input/Output Terminals, Piping and System Side Wiring	
5.	ASS	IGNMENT OF INPUT/OUTPUT TERMINALS AND POWER SUPPLY TERMINALS	
	5.1	Assignment of Input/Output Terminals	7
	5.2	Assignment of Power Supply Terminals	10
6.	CAL	IBRATION	10
	6.1	Items to Check before Power on	10
	6.2	Connection of Calibration Equipment	

CAUTIONARY NOTES FOR SAFE USE OF THE PRODUCT



If this symbol is indicated on the product, the operator should refer to the explanation given in the user's manual in order to avoid injury or death to either themselves or other personnel, and/or damage to the instrument. The manual describes the special care the operator should exercise to avoid shock or other dangers that may result in injury or loss of life.

The following symbols are used only in this manual.



IMPORTANT

Indicates that operating the hardware or software in a particular manner may damage it or result in a system failure.



NOTE

Draws attention to information that is essential for understanding the operations and/or features of the products.

INTRODUCTION

The VJCE has been manufactured under strict quality control and thoroughly tested at the factory before shipment. When you receive it, visually inspect it for damage.

(1) Model and Suffix Codes Check
Check that the model and suffix codes for VJ mounting base and VJ series signal conditioner are as ordered.

Model suffix code	Input	Output-1	Output-2				
VJCE-011	Screw terminal				_		
VJCE-012	Connector Screw terminal Screw terminal						- 1
VJCE-013	Screw terminal	Screw terminal	Screw terminal			- 1	- 1
VJCE-014	Screw terminal	Screw terminal	Connector		- 1	- 1	- 1
	le Signal Cond	itioners]			\perp		\perp
Signal Conditioner Models	Produc	t Name		VJCE -014	-013	VJCE -012	VJCE -011
VJA1	Distributor			•	•	_	•
VJA4	Distributor (Nor	n-isolated)		•	•	_	•
VJA5	Distributor (with	n Square Root Ex	tractor)	•	•		•
VJA7	Distributor (Mu			•	•	_	•
VJB1	CT Converter (•	•	_	•
VJB3	AC Converter (•	•		•
VJC1	Loop Powered			•	•	_	•
VJD1	Tachometer Co			•	•	_	•
VJF1		ectrical Converte	r	•	•	_	•
VJG1	PT Converter (RMS)		•	•		•
VJH1	Isolator			•	•	•	•
VJH7	Isolator (Multi-f			•	•	•	•
VJHF		Speed Respons	е Туре)	•	•	•	•
VJHR		se Output Type)		•	•	•	•
VJP1	Pulse Repeate			•	•		•
VJP4	Pluse Rate Cor		(')	•	•	_	•
VJP8		nverter (Multi-fund	ction)	•	•	_	•
VJQ0	Analog to Pulse			•	•	•	•
VJQ2	Pulse to Analog		: f	•	•	-	•
VJQ7 VJQ8		Converter (Mult		•	•		
VJQ8 VJR6	RTD Converter		i-iuriction)	•	•		•
VJS2	Potentiometer			•	•		•
VJS7		Converter (Multi-f	function)	•	•		•
VJSS	High/Low Signa		unction)	•			•
VJT6	Thermocouple			•	•		•
VJU7		erature Converte	er	•	•	_	•
VJX7		outing Unit (Multi-		•	•	•	•
VJXS	Universal Com		ianodon)	•	•	•	•
VJUK	Limit Alarm for			_	•	_	_
		J or our mput				l	

(2) Related User's Manual

This manual dose not explain the details (handling, maintenance and the like) for signal conditioners mounted on VJCE. The lineup and User's Manual numbers of JUXTA VJ series signal conditioners are shown below.

Model	Product Name [Document title]	User's Manual No.
VJCE	VJ Mounting Base: This manual	IM 77J01C51-01E
VJA1	Distributor	IM 77J01A01-01E
VJA4	Distributor (Non-isolated)	IM 77J01A04-01E
VJA5	Distributor (with Square Root Extractor)	IM 77J01A05-01E
VJA7	Distributor (Multi-function)	IM 77J01A07-01E
VJB1	CT Converter (RMS)	IM VJB1-01E
VJB3	AC Converter (RMS)	IM VJB3-01E
VJC1	Loop Powered Isolator	IM VJC1-01E
VJD1	Tachometer Converter	IM VJD1-01E
VJF1	Pneumaic to Electrical Converter	IM VJF1-01E
VJG1	PT Converter (RMS)	IM VJG1-01E
VJH1	Isolator	IM 77J01H01-01E
VJH7	Isolator (Multi-function)	IM 77J01H07-01E
VJHF	Isolator (Super Speed Response Type)	IM VJHF-01E
VJHR	Isolator (Reverse Output Type)	IM 77J01H12-01E
VJP1	Pulse Repeater	IM VJP1-01E
VJP4	Pluse Rate Converter	IM VJP4-01E
VJP8	Pluse Rate Converter (Multi-function)	IM 77J01P08-01E
VJQ0	Analog to Pulse Converter	IM VJQ0-01E
VJQ2	Pulse to Analog Converter (Free Range Type)	IM VJQ2-01E
VJQ7	Analog to Pulse Converter (Multi-function)	IM 77J01Q17-01E
VJQ8	Pulse to Analog Converter (Multi-function)	IM 77J01Q08-01E
VJR6	RTD Converter	IM 77J01R06-01E
VJS2	Potentiometer Converter	IM VJS2-01E
VJS7	Potentiometer Converter (Multi-function)	IM 77J01S07-01E
VJSS	High/Low Signal Selector	IM VJSS-01E
VJT6	Thermocouple Converter	IM 77J01T06-01E
VJU7	Universal Temperature Converter	IM 77J01U07-01E
VJX7	Universal Computing Unit (Multi-function)	IM 77J01X07-01E
VJXS	Universal Computing Unit	IM VJXS-01E
VJUK	Limit Alarm for Universal Input	IM 77J01U21-01E
VJ77	Parameter Setting Tool	IM 77J01J77-01E
	VJ Series Communication Function	IM 77J01J11-01E

PRODUCT OVERVIEW

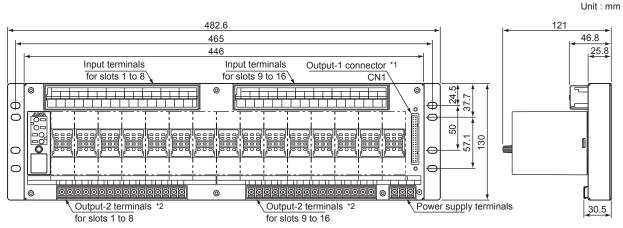
The VJCE is a horizontally installed, side-by-side multiple mounting base that complies with the standard rack-mounting dimensions specified by the JIS/EIA standards. A maximum of 16 signal conditioners of JUXTA VJ series can be mounted on VJCE.

• Different signal conditioners of VJ series can be mixed and housed in the same mounting base.

- Signal condition of input/output is selectable out of 4 types.

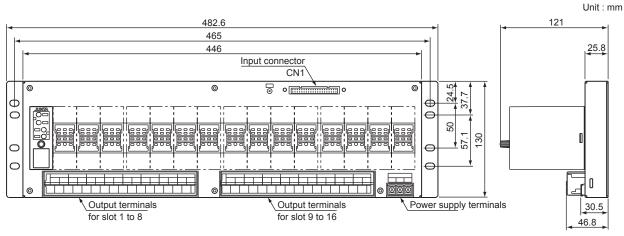
2. EXTERNAL DIMENSIONS

• VJCE-011 and VJCE-014

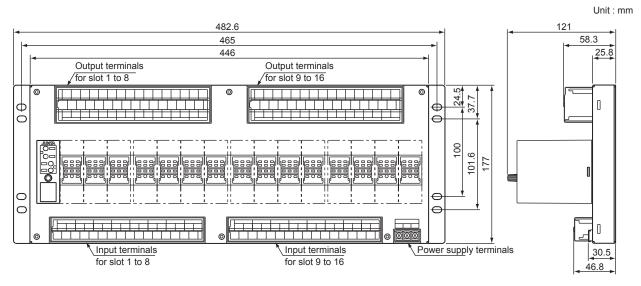


- *1: Output-2 connector for VJCE-014
- *2: Output-1 terminals for VJCE-014

• VJCE-012



• VJCE-013



Normal Allowable Deviation= ± (Value of JIS B 0401-2016 tolerance grade IT18) / 2

3. INSTALLATION OF VJCE

The VJCE can be installed horizontally on 19 inches rack complies with JIS/EIA standards, or horizontally on the wall. Under the conditions mentioned in Article 3.2, a maximum of 5 mounting bases can be installed on one side of the cabinet.

3.1 Environmental Conditions

3.1.1 Ambient temperature and humidity

Ambient temperature and humidity during operation of the instruments would be as follows:

Temperature: 0 to 50°C, Humidity: 5 to 90% RH

3.1.2 Vibration condition

Vibration of installation place would be less than 2m/s² at 10 to 150Hz

3.1.3 Air purification degree

Air dirty is desirous to be less than 0.2mg/m³. Also, corrosive gas such as hydrogen sulfide, sulfurous acid gas, chlorine and conductive dust such as iron and carbon are desirous to be as little as possible.

(Note) Permissible limit of hydrogen sulfide (H,S) and sulfurous acid gas (SO,) would be as standard of JEIDA-29 (1979) CLASS S1*.

JEIDA: Japan Electronic Industrial Development Association JEIDA-29 (1979) CLASS S1

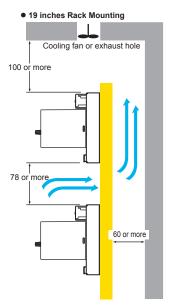
 $H_2S: 0.01ppm$ or less, $SO_2: 0.05ppm$ or less (Ambient temperature: $25^{\circ}C \pm 5^{\circ}C$, ambient humidity: 40 to 80%RH)

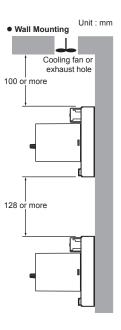
3.2 Condition of Installation



NOTE

- Secure space for top and bottom to avoid heating.
 - Apart more than 100 mm from the floor board
 - Apart more than 100 mm from panel top and make air exhaust hole or set cooling fan at panel upper.
 - If wall stands at back in case of rack mounting, apart more than 60mm from the wall for ventilation.
- 2. Take enough space for front and side faces so as not to interfere wiring, piping and maintenance area.
- In case storing in cabinet, air cooling is compulsorily required to prevent from raise of temperature.
- 4. Do not install it on the heating materials.
- In case of installing the VJCE one above another to up and down direction, take installation space as shown in the figure on the right. (78 mm for rack mounting, 128 mm for wall mounting)





3.3 Installation

3.3.1 Installation of VJCE

Use four (4) M5 screws for installation.

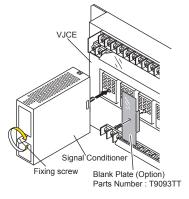
3.3.2 Installation of signal conditioners

Connect the pin on the back of the signal conditioner to the VJCE connector as shown in the figure on the right. Then tighten the fixing screw on the front of the signal conditioner.



NOTE

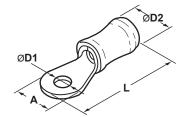
Insert and pull out the signal conditioner vertically to VJCE. Inserting and pulling it out slantwise may make the pin bent and cause a failure such as a bad contact.



4. EXTERNAL WIRING

4.1 Field Side Wiring and Wiring of Power Supply and Ground

Flexible twisted cable and good contact of durable round crimp-on terminals are recommended to use.



Cross sectional area	Screw	ØD1 Hole dia. (mm)	A Terminal out dia. (mm)	L Terminal length (mm)	ØD2 Insulation coating (mm)
0.75 mm ² 0.9 mm ² 1.25 mm ² 2.0 mm ²	M3.5	3.7 or more	6.9 or less	About 19	3.2 or more

4.1.1 Signal cable

Nominal cross-sectional area of conductor: 0.75 to 2 mm² Example of suitable cable: Vinyl code (VSF) twisted cable (JIS C3306)

4.1.2 Power cable

Nominal cross-sectional area of conductor: 1.25 to 2 mm²

Example of suitable cable: 600V vinyl code (IV) twisted cable (JIS C3307), Vinyl insulated cable (KIV) (JIS C3316)

4.1.3 Ground cable

Nominal cross-sectional area of conductor: 2 mm²

Example of suitable cable: 600 V vinyl code (IV) twisted cable (JIS C3307), Vinyl insulated cable (KIV) (JIS C3316)

4.2 Field Side Input/Output Terminals, Piping and System Side Wiring

Assignment of Input/Output Terminals on and after page 7 shows relation between VJCE field side input/output terminals and signal conditioner input /output signal at the terminals. (Refer to the terminal assignment that matches the model suffix code of the VJCE used.) Field side input/output terminals are M3.5 screws. Exclusive cable is used for connection between VJCE and VM1, PM1 cards. Connect input air pressure signal of VJF1 to connecting hole of front face of signal conditioner directly. Connect power and ground cables to power terminals of VJCE. Power would internally be distributed to respective signal conditioners.



WARNING

It is recommended that CT protector (CTG-5) be attached to the current input terminals connected to the secondary side of the CT when mouning VJB1 (CT transmitter) on VJCE. Since a high potential develops over the secondary side, the CT may burn and break if you unplug the VJB1 from the VJCE while the VJB1 is turned on and it has no CT protector.



IMPORTANT

- Ensure the followings before turning on the power. Use of signal conditioners of VJ series ignoring the specifications may cause overheating or damage to VJCE-01A and signal conditioners.
 - Power supply voltage and input signal value applied to VJCE-01A and signal conditioners should meet the required specifications.
 - The external wiring to the terminals is as specifications.
- Do not operate the product in the presece of flammable or explosive gases or vapors. To do so is highly dangerous.
- Many semi-conductor integrated circuit parts are used for signal conditioners. Take care of static electricity trouble at the
 maintenance or change of setting for the signal conditioners.
- The grounding resistance must be 100 Ω (JIS Class D grounding). The length and thickness of the grounding cable should be as short and thick as possible. Directly connect the lead from the ground terminal of the product to the ground. Do not carry out daisy-chained inter-ground terminal wiring.

ASSIGNMENT OF INPUT/OUTPUT TERMINALS AND POWER SUPPLY TERMINALS

5.1 Assignment of Input/Output Terminals

• VJCE-011

le Signal Conditioners						Terminal
		3	4	6	2	5
VJXS, VJX7			Do not	Do not		
14 // 10		<u>√</u> (°3)	use	use	+	_
11/HC		- 14	01	0	01	0
	Cnar	inei-1	Cnar	inei-2	Chan	inei-2
	+	Ι	+	I	+	_
	+	_		,		
mV input)		RJC	Ĵ	Do not use	+	_
	Α	В	В			
anut)	Ŷ) (*4)	Ŷ		+	_
iiput)		1 ' '		use		
	100%	CENTER	0%	D		
		, °		use	+	_
	PS+	_	COM			
When using internal power	9 + 0	\	Do not			
supply	<u> </u>	\mathcal{L}	use	Do not	+	_
When using external power supply	Do not use	<u> </u>	y+ T use			
When used as an isolator	Do not use + -					
	Chan	nel-1	Chan	nel-2	Chan	nel-2
	PS+	_	PS+	-	+	_
	2+⊗-3 2+		ν + () <u> </u>		
	Α			Do not	Do not	Do not
	₹ L		use use		use	use
	V	±		_	_	_
						Do not use
	U~V		400	do	ucc	doo
	A/V	±	Do not	Do not		
	L.	بُ	use	use	+	-
	V	±				
	-	± o	Do not	Do not	+	_
	v L	ς γ	Do not use	Do not use	+	_
Non-voltage contact / Voltage contact	i i	ς γ			+	_
Non-voltage contact / Voltage contact Internally powered current pulse	Do not use	هـــا	use 	use	+	-
	i i	+ +	use 	use Do not	+	-
Internally powered current pulse (two-wire system) Internally powered voltage pulse	Do not use PS+	+ +	use - - (*3)	use		-
Internally powered current pulse (two-wire system)	Do not use	+ +	use 	use Do not		-
Internally powered current pulse (two-wire system) Internally powered voltage pulse	Do not use PS+	+ +	use - - (*3)	use Do not		-
Internally powered current pulse (two-wire system) Internally powered voltage pulse	Do not use PS+ PS+	+ +	use	use Do not		-
Internally powered current pulse (two-wire system) Internally powered voltage pulse	Do not use PS+ PS+	+ + + -	use	Do not use	+	-
Internally powered current pulse (two-wire system) Internally powered voltage pulse	Do not use PS+ PS+	+ + + +	use (*3) - +	Do not use	+	- Do not use
	When using internal power supply When using external power supply	1	Signal Conditioners	1 3 4	Signal Conditioners	1

Input Terminals SLOT* 6 3 4 1

Output-2 Teminals * 2 5

(%) (3)

*" 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.

CN1 Connector's Pin Assignment

CN1							
40	39						
38	37						
36	35						
34	33						
32	31						
30	29						
28	27						
26	25						
24	23						
22	21						
20	19						
18	17						
16	15						
14	13						
12	11						
10	09						
08	07						
06	05						
04	03						
02	01						

Pin No.	Slot No.
40	1 +
39	
38	2 +
37	
36	3 +
35	
34	4 +
33 32	-
32	5 +
31 30	-
30	6 +
29	-
28	7 +
27 26	-
	8 +
25	_
24	9 +
23	_
22	10 +
21	_
20	11 +
19	- 12 +
18	12 +
17	-
16	13 +
15	-
14	14 +
13 12	 15 +
	15 +
11	-
10	16 +
09	-
08	
07	
06	
05	
04	
03	
02	
01	

Note: The figure represents the connector when viewed from the connector cable.

• VJCE-012

Mountable Signal Conditioners	Output-1	Terminal	Output-2 Terminal		
Wouldable Signal Conditioners	7	9	2	5	
VJH1, VJH7, VJHF, VJHR, VJQ0 VJQ7, VJXS, VJX7, VJHK	+	-	+	-	

CN1 connector's pin assignmet is same as VJCE-011.

Output Terminals

			SLOT*			Е
		7	7		9	
	2		5	5		

"*" in the figure on the left denotes a slot number. Slots are numbered from 1 to 16, beginning with the leftmost slot, when viewed from the VJCE front.

^{*1:} For 2-channel type, only the voltage output is mountable on VJCE base. Output of channel-1 is output to the connector (CN1).

*2: VJQ2 is a single output type. Do not use the output-2 terminal.

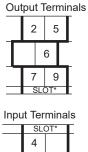
*3: When receiving current input (current pulse), external shunt resistor (receiving resistor) is required.

*4: For VJR6 (style 3.0 or later) and VJU7, the wiring resistance of input terminals "1" and "3" must be the same.

For VJR6 (style 2.0 or earlier), the wiring resistance of input terminals "1" and "4" must be the same.

• VJCE-013

/JCE-013									
Mountable Signal Conditioners		Input Terminal				Terminal		ut-2 Tern	
	1	3	4	7	9	2	5	6	
VJH1, VJH7,	+	- 0 (#0)	Do not					Do not	
VJXS, VJX7,		√(*3)	use	+	_	+	_	use	
VJH1/C, VJH	I1/HC	+	-		01	1.4			
\(\(\) \(\		Char	nel-1	Do not	Chan	nei-1	Do not	Do not	Do not
VJC1 (*1)		+	_	use	+	Ι	use	use	use
VJT6		+	-						Do not
VJU7 (TC or			RJC –		+	_	+	_	use
VJTK, VJUK-	-3								
VJR6	4\	A o	В •	B ∘					Do not
VJU7 (RTD ii			(*4)	Ĭ	+	_	+	_	use
VJRK, VJUK	-3		W-	00/					
VJS2		100%	CENTER	0% o					Do not
VJS7 VJSK			Ţ		+	_	+	_	use
VJSK		PS+		COM					
VJA1	M/han wains internal names			COM Do not					
VJA5	When using internal power supply		<u>}</u>	use			+	_	Do not
VJA7	When using external power	Do not	٩	. <u>P</u>	+	_			use
VJAK	supply	use	L-() +					
VJUK-2	When used as an isolator	Do not use	<u> </u>	ک_ا					
		Channel-1 + - Do not use		Chan	nel-1				
VJA4 (*1)							_ Do not use	Do not use	Do not use
		2 +() <u> </u>	use	+	_	use	use	use
		Α	±	Do not			Do not	Do not	Do not
VJB1		<u> </u>	V L Do not use		+	-	Do not use	use	Do not use
		V	±						
VJG1		₽ u	<u>v 9</u>	Do not	+	_	Do not	Do not	Do not
V301		_U×	\neg	use	ı i		use	use	use
		A/V	±						
VJB3			· ·	Do not	+	_	_	_	Do not
) <u> </u>	use					use
		V	±	Do not					Do not
VJD1		L.	ئــو	use	+	-	+	-	use
VJP1	Non-voltage contact / Voltage contact	Do not use	+	_					
VJP1 VJP4, VJP8	Internally powered current pulse	DC:	+	-					
	(two-wire system)	PS+	ک_۸	(*3) ^(*3)	+	-	+	-	Do not
VJQ2 (*2) VJQ8, VJQK	Internally powered voltage pulse	DO.							use
VJQO, VJQN	(three-wire system)	PS+	+	_					
		Do not use	Do not use	Do not use			Do not	Do not	Do not
VJF1		Input through one-touch fitting Ø6 of the VJF1.			+	_	use	use	use
When output-2						B (+)	A (-)	COM	
		Regarding input, refer to the			+	+ _	AL1	СОМ	AL2
When output-2	is alarm output.						<u></u>		
\/ A Z \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	VIMIC VIOLE VIEW	above model by model.				·	Ĭ		_
	, VJMK, VJQK, VJRK				ر]	<u></u> γ	ا ا	~ °	Do not
VJSK, VJTK,					<u></u>			use	



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

3

^{*1:} Only 1-channel type of VJC1 and VJA4 are mountable on VJCE base.

*2: VJQ2 is a single output type. Do not use the output-2 terminal.

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

*4: For VJR6 (style 3.0 or later) and VJU7, the wiring resistance of input terminals "1" and "3" must be the same.

For VJR6 (style 2.0 or earlier), the wiring resistance of input terminals "1" and "4" must be the same.

• VJCE-014

VJCE-014			In a set T			0 1 14	T 1 1
Mounta	1	3	erminal 4	6	Output-1	Terminal 9	
V IH1 V IH7	VJH1, VJH7, VJHF, VJHR, VJQ0, VJQ7			4	0	-	
VJXS, VJX7				Do not	Do not	+	_
VJH1/C, VJ		<u> </u>	<u>۸ (*2)</u> ا	use	use		_
V3111/C, V3	111/110		nnel-1			Chan	l inel-1
VJC1 (*1)		Cital	11161-1	Do not	Do not	Onan	
V001 (1)		+	_	use	use	+	_
VJT6		+	_		Do not		
VJU7 (TC o	r mV input)		RJC -		use	+	_
VJR6		Α	В	В			
VJU7 (RTD	input)	Ŷ	(*3)	Ŷ	Do not use	+	_
	1 /	100%	W	0%			
VICO VIC	,	100%	CENTER	0%	Do not	+	
VJS2, VJS7					use	+	_
		PS+	_	СОМ			
VJA1	When using internal power supply	<u>L+</u> (ر ال	Do not use			
VJA5	When using external power	Do not	γ	γ Q	Do not	+	_
VJA7	supply	use - + -		use			
	When used as an isolator	Do not use	<u></u>	ر ا			
	•	Char	Channel-1			Channel-1	
VJA4 (*1)		+ 2 +	> <u>-</u>	Do not use	Do not use	+	_
		Α	±				
VJB1		인 k K	<u></u>	Do not use	Do not use	+	-
1/104		V Q u	± v Q	Do not Do no			
VJG1		UVV		use	+	_	
		A/V	±	Do not	Do not		
VJB3		<u></u>	ئے	use	use	+	_
		V	±	Do not	Do not		
VJD1		<u></u>	ئــو	use	use	+	_
VJP1	Non-voltage contact / Voltage contact	Do not use	+	-			
VJP4	Internally powered current pulse	PS+	+	_			
VJP8	(two-wire system)	гот	<u>و</u>	المال (*2)	Do not use	+	_
VJQ2 VJQ8	Internally powered voltage pulse (three-wire system)	PS+	+	_			
AAMO	(aoo waa ayaaan)	+	_	+	_		
VJSS					+	_	
	(*2)			(*2)			
\/ E1		Do not use Do not use Do not use					
VJF1		Input throu	gh one-toucl	h fitting Ø6	of the VJF1.	+	_
4. 0.1.4.1		Input through one-touch fitting Ø6 of the					

Input Terminals 6 4



"*" 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

CN1 Connector's Pin Assignment

		0	onnector 5	FIII Assignine
CN1			Pin No.	Slot No.
40	39		40	1 +
+0	00		39	_
38	37		38	2 +
	<u>٠</u> ,		37	3 +
36	35		36	3 +
			35	4 +
34	33		34	4 +
			33 32	5 +
32	31		32 31	5 +
			30	6 +
30	29		29	
			28	7 +
28	27		27	' _
			26	8 +
26	25		25	
~ 4			24	9 +
24	23		23	_
22	21		22	10 +
22	2		21	_
20	19		20	11 +
20	13		19	_
18	17		18	12 +
10	''		17	13 +
16	15		16	13 +
			15	14 +
14	13		14	14 +
			13 12	15 +
12	11		11	15 +
			10	16 +
10	09		09	'0 .
			08	
80	07		07	
00	05		06	
06	US		05	
04	03		04	
04	US		03	
02	01		02	
			01	

Note: The figure represents the connector when viewed from the connector cable.

5.2 Assignment of Power Supply Terminals



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



CAUTION

Ensure that the power supply voltage for VJCE-01A matches that for the signal conditioner to be mounted on VJCE-01A. Supply of different power supply voltage may damage VJCE-01A and signal conditioners.

^{*1:} Only 1-channel type of VJC1 and VJA4 are mountable on VJCE base.

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

*3: For VJR6 (style 3.0 or later) and VJU7, the wiring resistance of input terminals "1" and "3" must be the same.

For VJR6 (style 2.0 or earlier), the wiring resistance of input terminals "1" and "4" must be the same.

6. CALIBRATION

Refer to the User's Manual of respective signal conditioner for how to calibrate and for the equipment required for calibration.

6.1 Items to Check before Power on

- Supply power rating is 12 to 36 V DC or 85 to 264 V AC / DC.
- · Wiring of signal cables
- Installation, ambient temperature, humidity, dust, vibration

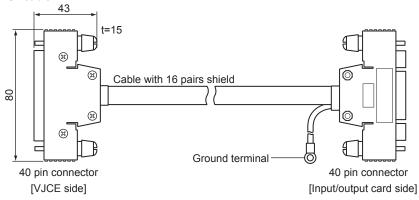
Please power on after checking the above items.

The VJCE would be in operational status upon power on. However, 10 to 15 minutes are required to satisfy its specifications and performance

6.2 Connection of Calibration Equipment

When Output-1 or Output-2 is connector, prepare KS2 cable and TE-16 terminal block.

KS2 cable



TE-16 Terminal Block

