

# General Specifications

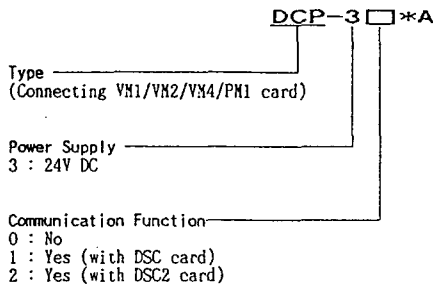
## DCP Nest for Input/Output (E/P Mixture Mounting Type)

JUXTA

This connector connecting type nest for DSC can make mixture mounting of maximum total 16 JUXTA D Series transmitters and E/P transducers.

The nest can connect with Yokogawa VM1, VM2, VM4 and PM1 cards.

- Range, parameter, etc. can be set through DSC2, DSC and Handy Terminal. (However, it depends on type of transmitter)



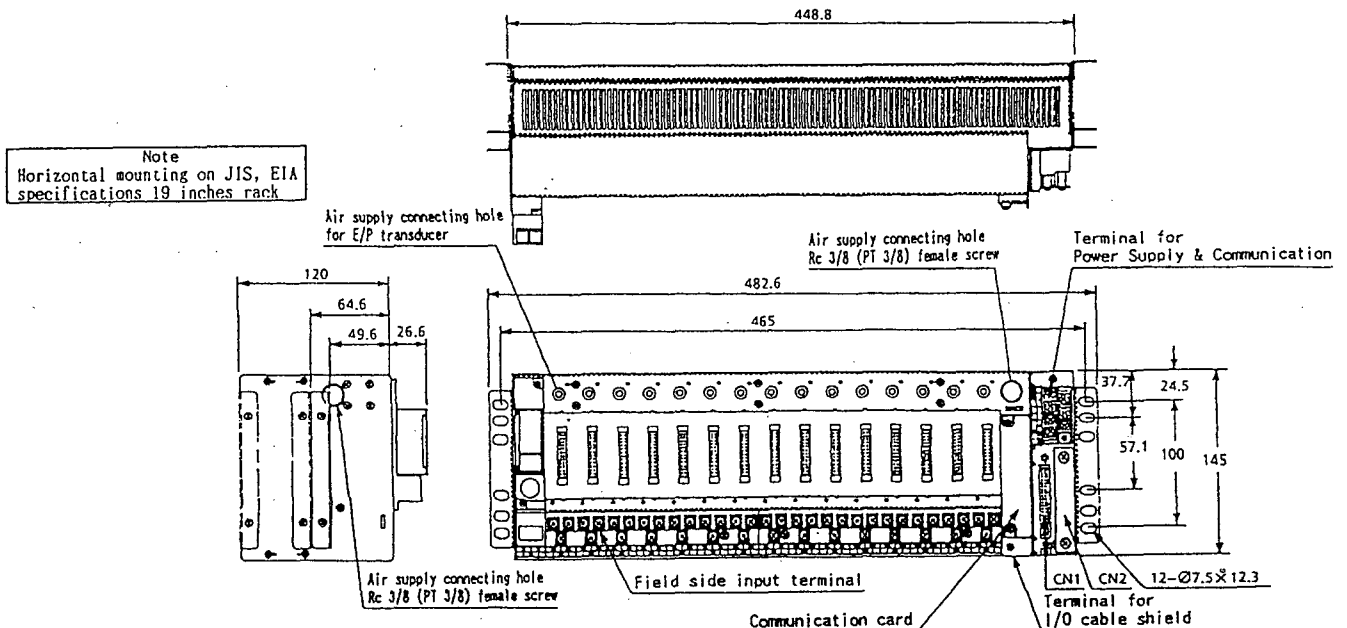
ORDERING INFORMATION  
• Type Code (Example) DCP-32\*A

Standard Performance	
Insulation resistance	100MΩ or more (at 500V) between input/output terminal~power supply~ground~CN1·CN2
Voltage withstand	1500V AC/minute between input/output terminal~power supply, ground, CN1·CN2 500V AC/minute between power supply~ground~CN1·CN2
Temperature	0~50℃
Humidity	5~90%RH (no condensation)
Mounting, Shape & Accessories	
Connecting cable	RS2 for CN1, CN2
I/O connecting terminal	M4 screw terminal
Power supply-ground connection	M4 screw terminal
I/O cable shield connection	M3 screw terminal
Air supply connecting hole	Rc 3/8 (PT 3/8) female screw
Mounting method	Rack mount, wall mount (horizontal mount)
Nest screw	M5x0.8 .... 4
Paint color	Black
Weight	5 kgs
Accessories	Blind board Set blind board for slot on which no transmitter is mounted Metal fitting .....1 pair Tag Number label..... 16

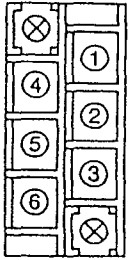
Relation between Upper System Connecting Card and		Signal Transmitter	
CN1 connecting card		CN2 connecting equipment	JUXTA D series signal transmitter
Description	Input/output point		Mounting rule / Mounting example
(VM1) Multipoint analog input card	Input : 16 points	Connect to indicator, recorder or alarm setter, etc. through terminal block	Mount input signal transmitter on Slot 1~16 DA1, DT5, DR5, DM1, DF1/others
(VM2) Multipoint analog input/output card	Input : 8 points	—————	Mount input signal transmitter on Slot 1~8 DA1, DT5, DR5, DM1, DF1/others
	Output : 8 points		Mount output signal transmitter on Slot 9~16 DA0, DH0, DQ0/others
(VM4) Multipoint analog output card	Output : 16 points	—————	Mount output signal transmitter on Slot 1~16 DF0, DA0, DH0, DQ0/others
(PM1) Multipoint pulse train input card	Input : 16 points	Connect to Pulse Counter, etc. through terminal block	Mount output signal transmitter on Slot 1~16 DP1/others

### EXTERNAL DIMENSION

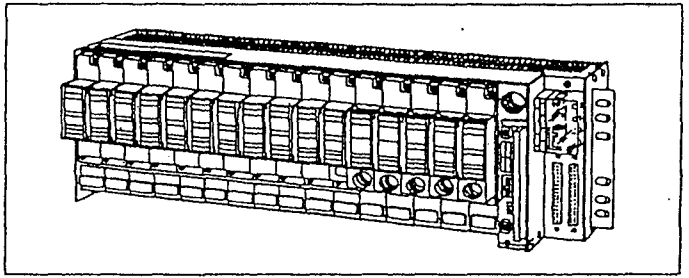
Unit : mm



TERMINAL FOR POWER SUPPLY & COMMUNICATION



TML No.	DCP-30*A	DCP-31*A	
①	+	24V DC	
②	-		
③	⊥		
④	/	A(-)	RS485
⑤		B(+)	
⑥		SG	



WIRING AND PIPING OF FIELD SIDE I/O TERMINALS AND TRANSMITTER FRONT TERMINAL

The chart below shows relation between field side I/O terminal and transmitter front terminal and its I/O signal. For example, DM1 shows to apply +signal for field side input terminal A and -signal for terminal C and B has no connection.

I/O terminal screw : M4x0.7  
 Input piping : Rc 1/4 (PT 1/4) female screw  
 Supply side piping : Rc 3/8 (PT 3/8) female screw

Signal Conditioner's Nests	Field side I/O terminal symbol			Transmitter front terminal symbol				
	A	B	C	1	2	3	4	AIR
DM1, DT5	+	/	-	/	/	+	-	
DR5	 coincide wiring resistance of terminals A with B			/	/	+	-	Output-2 use
DS1	 coincide wiring resistance of terminals A with C			/	/	+	-	Output-2 use
DP1 DP3	2 wire type (voltage contact) Internal power supply of 2 wire type	Signal	Power Supply	/	/	+	-	Output-2 use
DH1 DH2 DH5	Internal power supply of 3 wire type	+	Power Supply	/	/	+	-	Output-2 use
DA1 DA2 DA5 DA9	 Use also when combination with BARD 2 wire transmitter use In case of no power supply			/	/	+	-	Output-2 use (Except DA9)
DH0 DA0 DQ0	+	/	-	/	/	+	-	
DX1	+	/	-	/	/	+	-	
DG1					/	+	-	Output-2 use
DB1					/	+	-	Output-2 use
DD1					/	+	-	Output-2 use
DF1				+	-	+	-	IN ♀
DF0				+	-	+	-	Output-2 use
				+	-	+	-	Output check

When DC current output, Output-2 is available through either one of [CN2] or [transmitter front terminal].

System side connecting cable

Connector No.	Signal	Cable Type
CN1	System side connecting signal	KS2
CN2	System side connecting signal	KS2

CN1/CN2

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

CN1/CN2 Connector Pin Assignment

CN1/CN2 Pin No.	Slot No.	CN1/CN2 Pin No.	Slot No.
40	1	20	11
39	1	19	11
38	2	18	12
37	2	17	12
36	3	16	13
35	3	15	13
34	4	14	14
33	4	13	14
32	5	12	15
31	5	11	15
30	6	10	16
29	6	09	16
28	7	08	/
27	7	07	/
26	8	06	/
25	8	05	/
24	9	04	/
23	9	03	/
22	10	02	/
21	10	01	/

Subject to change without notice for grade up quality and performance