





Note 1 The power rating of the motor power-OFF relay turning ON/OFF with contact CR1 is 24V DC and 10mA or less.

- Note 2 Connect such as a connector to L1/L2 terminals when cutting OFF the motor power source externally.
- Note 3 S1 and S2 make short-circuit inside the controller if a teaching pendant is not connected.
- Note 4 Select the CR1 coil current and 0.1A or less.

3000 to 3300W



- Note 1 The power rating of the motor power-off relay turning ON/OFF with contact CR1 is 24V DC and 10mA or less
- Note 2 Connect such as a connector to L1/L2/L3 terminals when cutting off the motor power source externally. (This controler not equipped with the drive cutoff relay mounted inside the controller.)
- It is the contact output to control the drive source breaker connected externally. The rating is 30V DC and Note 3 20mA or less.
- Note 4 Connect a temperature sensor when an external regenerative resistor unit is connected.

Wiring of I/O (When using input and output of PIO)

Refer to "Wiring of I/O" in this manual or Chapter 2 "Wiring" in SCON Instruction Manual.

Wiring of Fieldbus (When using fieldbus)

Refer to the section for wiring of each field network or Chapter 2 "Wiring" in each fieldbus Instruction Manual.



Step5 Creating of Ladder Program

Software and instruction manuals necessary for creating Ladder Edit Program (LC-LDS-01) LC Ladder Edit Soft Manual (ME0330) • LC Ladder Programming Manual (ME0329) SCON-LC/CB Instruction Manual (ME0340) • SCON-LC-F/CB-F Servo Press Function Instruction Manual (ME0345) · Each fieldbus instruction manual (such as ME0254 [Refer to Section 1.1.3 in the instruction manual of SCON-LC/CB or SCON-LC-F/CB-F1) Referring to the points of the PLC built-in type described below and LC ladder edit software manuals, edit the ladder program. (Note: Not applicable for pulse train control)

LC Type is equipped with a built-in PLC function, and is capable to control SCON with ladder programs instead of the host PLC if the programs are in small scale.

Each signal of PIO is general input and output. Use it with connecting to internal relay, which each IO pattern is assigned to, with the ladder program if necessary.



Each bit in fieldbus communication is general input and output. Use it with connecting to internal relay, which each IO pattern is assigned to, with the ladder program if necessary.



For fieldbus communication, the data volume transferred in one time of communication is restricted. CC-Link : 1station 1time, Other than CC-Link : Input 8byte, Output 8byte

Operation Pattern (Assignment), and Setting

PIO signal

Fieldbu

Setting

1

2

3

The operation pattern is to be set in Parameter No. 84 "Fieldbus Operation Mode"

Operation Pattern	Parameter No.84 Setting	Operation Pattern
Remote I/O mode	5	Posiiton/Simple Direct Mode 2
Posiiton/Simple Direct Mode, Full Functional Mode (dedicated for servo press)	6	Half Direct Mode 2
Half Direct Mode	7	Remote I/O mode 3
Full Direct Mode	8	Half Direct Mode 3
Remote I/O mode 2		

The set operation patterns are assigned to the internal relay (input signals to M2048 to 2303, output signals

* For the servo press type, it is applicable only in the remote I/O mode and full functional mode.



Step6 Test Run



Product Check

This product is comprised of the following parts if it is of standard configuration. If you find any fault in the contained model or any missing parts, contact us or our distributor.

1. Par	rts				
No.	Pa	art Name		Model	Remarks
1	Controller N	/lain Body	Refer to "How to read model"	the model plate", "How to read the	
Acces	ssories				
2	I/O Flat Cal	ole	CB-PAC-PIO***		***shows the cable length
3	Service Connector for Pulse Train Control (Connector for Multi-function)		Plug : 10114-3000PE Shell :10314-52F0	(Supplier:3M)	
	System	~750W Motor	FMC1.5/4-ST-3.5	(Supplier:PHOENIX CONTACT)	
4	I/O Plug	3000W~Motor	FMC1.5/6-ST-3.5	(Supplier:PHOENIX CONTACT)	Recommended cable size
5	Breake Power Supply Plug		MC1.5/2-ST-3.5	(Supplier:PHOENIX CONTACT)	0.511111 (AWG20)
	6 ACPower Supply Plug	~750W Motor	MSTB2.5/6-STF-5.08	(Supplier:PHOENIX CONTACT)	Recommended cable size 2.0mm ² (AWG14)
6		3000W~ Motor	PC5/6-STF-7.62	(Supplier:PHOENIX CONTACT)	Recommended cable size 3.3mm ² (AWG12)
7	Absolute Battery		AB-5		Enclosed for Absolute Type (dedicated for battery-less absolute)
8	Dummy Plug		DP-5		Enclosed for SCON-LCG
9	External Regenerative Unit Connecting Plug		GIC2,5/2-STF-7.62	(Supplier:PHOENIX CONTACT)	Recommended cable size 0.75mm ² (AWG18)
10	First Step G	Guide	ME0363		
11	Safety Guide		M0194		

AC Power Supply Plug Breake Power Supply Plug

~750W Motor 3000W~Motor 0 egenerative Unit onnecting Plug 3000W~Motor





Absolute Battery

Connector for Multi-function

2. Teaching Tool (Sold separately: Download the ladder edit software from IAI homepage) A teaching tool such as PC software is necessary when performing the setup for position setting, parameter setting, etc. that can only be done on the teaching tool. Please prepare either of the following teaching tools.

INO.	Part Name	Iviodei				
1	PC Software (Includes RS232C Exchange Adapter + Peripheral Communication Cable)	RCM-101-MW				
2	PC Software (Includes USB Exchange Adapter + USB Cable + Peripheral Communication Cable)	RCM-101-USB				
3	Touch Panel Teaching TB-02	TB-02				
4	Touch Panel Teaching TB-01	TB-01				
5	LC Ladder Edit Soft	LC-LDS-01				
3. Inst	. Instruction manuals related to this product					
No.	Name	Manual No.				
1	SCON Controller Instruction Manual	ME0340				
2	SCON Controller Servo Press Function Instruction Manual	ME0345				
3	PC Software RCM-101-MW/RCM-101-USB Instruction Manual	ME0155				
4	Touch Panel Teaching TB-02	ME0355				
5	Touch Panel Teaching TB-01	ME0324				
6	LC Programming Manual	ME0329				
7	LC Ladder Edit Soft Manual	ME0330				

4. How to read the model plate

I/O Flat Cable



5. How to read controller model code

	<u>SCON-LC-2</u>	<u>0 HA</u>	<u> </u>
<series></series>			
C : High Performance LC : Safety Categories CB : High Performance	Type Complied Type Type		 Identification for IAI use only> * There is no identification in some cases
CGB : Safety Categories <actuator characteristics<="" p=""></actuator>	>		Power-supply Voltage> 1 : Single-phase AC100V
12 : 12W 20 : 20W	200S : 200W (LSA) 300S : 300W (LSA)		2 : Single-phase AC200V 3 : Three-phase AC200V
30D : 30W (excluded) 30R : 30W (For RS) 60 : 60W	400 : 400W 600 : 600W 750 : 750W		0 : No cable 2 : 2m 3 : 3m(Standard) 5 : 5m
100 : 100W 100S : 100W (LSA) 150 : 150W 200 : 200W	750S : Equipped with Loadcell RCS2-RA13R 3000 : 3000W 3300 : 3300W		I/O Type> NP : NPN Specification (Sink Type) (Standard) ML : MECHATROLINK- 1 / II Connection Typ
<encoder type=""> A : Absolute WAI : Battery-less Absolute</encoder>	G : Spurious Absolute		PN : PNP Specification (Source Type) CN : CompoNet Connection Type DV : DeviceNet Connection Type EC : EtherCaT Connection Type
<option> No Indication : Standard I : Index Absolute (DD)</option>	Type HA : High Acceleration/ M : Multi-Rotation Abs	deceleration Typ	ype EP : EtherNet/IP Connection Type PR : PROFIBUS Connection Type

F : Servo Press Type (dedicated for servo press actuators)

Speci	ificat	ions					
ltam		lt a un	SCON-LC/LCG/LC-F/LCG-F				
		item	400W or less 400 to 750W		3000 to 3300W		
Appli	cable	Motor Capacity	12W to 399W	400W to 750W	3000 to 3300W		
Power Supply Voltage (Power-supply Fluctuation±10% or less)		oply Voltage y Fluctuation±10% or less)	Single-phase AC100 to 115V Single-phase AC200 to 230V	Single-phase AC200 to 230V	Three-phase AC200 to 230V		
Rush Power Supply Voltage AC100V		ower Supply oltage AC100V	20A (Control Side),				
*1	π Γ	ower Supply oltage AC200V	70A (Drive Side)	30A (Control Side), 80A (Drive Side)	40A (Control Side), 40A (Drive Side)		
Leak	Curre	ent*2	3.0mA (Primary side when no power supply line)	ise filter is connected to	3.5mA		
Load	Capa	city, Heat Generation	Refer to Power Capacity and	Heat Generation.	•		
Powe	r Sup	oply Frequency	50/60Hz				
PIO F	Powe	r Supply *3	DC24V±10%				
Electi Supp with b	roma ly (fo orake	gnetic Brake Power r actuator equipped)	DC24V±10% 1A(Max.)		DC24V±10% 0.1A (Max.) (Note) Necessary to supply 1.5A (max.) to actuator separately		
Trans Dural	sient pility	Power Cutoff	20ms (50Hz), 16ms (60Hz)		, , , , , , , , , , , , , , , , , ,		
Moto	r Con	trol System	Sinusoidal Wave PWM Vecto	r Current Control			
Appli	cable	Encoder	Incremental Serial, Absolution	ite Serial, •ABZ (UVW) Parare	ell, • Battery-less Absolute		
Enco	der R	esolution	Battery-less Absolute (ISB): Battery-less Absolute (RCS In any models other than ab	131072 pulse/rev 2/3): 16384 pulse/rev love, refer to instruction manua	I of each actuator.		
Actua	ator C	able Length	Max. 20m				
Seria Interf	l Con ace	nmunication	For Connect the teaching to RS485 : 1CH based on Mo	ool or connect the link odbus Protocol RTU/ASCII Sp	peed: 9.6 to 230.4Kbps		
Exter	nal	РІО Туре	Signal I/O dedicated for 24V DC (selected from NPN/PNP) Input 16 ports max., output 16 ports max.				
Interf	ace	Fieldbus Type	Fieldbus Type DeviceNet, CC-Link, PROFIBUS, CompoNet, MECHATROLINK- I / II, Ether EtherNET/IP, PROFINET IO				
Extern Interfa	al ce	Serial Communication Interface 2	• RS485 : 1CH based on Modbus Protocol RTU/ASCII Speed : 9.6 to 230.4Kbps Control available with serial communication in the modes other than the pulse train				
(Multi- functio	n	Feedback Pulse	Differential System (Line Driver System) MAX. 2.5Mpps				
conne	ctor)	Analog Output	1system (load data) 4 to 20	mA Current Output (±1%) Lo	ad resistance 10 to 600 Ω		
Coble		PIO	Max. 10m				
	; h	RS485	Total Cable Length 100m o le	ess			
Eong.		Fieldbus	Refer to each Fieldbus specification				
Data	Setti	ng and Input	Position Data. Saves position data and parameters to non-volatile memory (There is no				
Data	Rete	ntion Memory	Imitation Data, saves position data and parameters to non-volatile memory (There Is no limitation in number of writing)				
Opera	ation	Mode	Positioner Mode (Servo Press Type is dedicated for press program operation mode)				
Numb (Exce	per of pt fo	f Positioning Points r Servo Press Type)	512ponts (PIO Type), 768pints (dedicated for fieldbus type) (Note) Number of positions differs depending on the selection in operation pattern (fieldbus operation mode)				
LED I (Mou	Displanted	ay on Front Panel)	PWR (Green) : Controller in normal condition, SV (Green) : Servo ON,				
Forci Elect	bly R roma	eleasing of gnetic Brake on Front Panel)	Switchover of NOM (normal) / BK RLS (compulsory release)				
Insula	ation	Resistance	DC500V 10M Qor more				
Insula	ation	Strength	AC1500V For 1minite (Note)	Withstand voltage of force cor	ntrol loadcell is 50V DC		
	Surr	ounding air perature	0 to 40 °C				
¥	Surr	ounding humidity	85%RH or less (non-condens	ing)			
ner	Surr	ounding environment	[Refer to Installation and Stor	age Environment.]			
Luo I Luo Item		ounding storage perature	-20 to 70 °C (non-condensing)			
Ē	Surr	ounding storage idity	85% or less (non-condensing)	()		
	Vibr	ation Durability	XY∠ Each direction 10 to 57F 0.075mm (intermittent) 57 to	1z Pulsating amplitude 0.035m 150Hz 4.9m/s²(continuous) 9.8	m (continuous) m/s² (intermittent)		
Weig	ght		Approx. 900g	Approx. 1200g	Approx. 2800g		
Coo	ling N	lethod	Natural air-cooling	Forced air-cooling	Forced air-cooling		
Exte	rnal I	Dimensions	58W × 194H × 121D	72W × 194H × 121D	92.7W × 300H × 187.7D		
• Po	ver	Canacity and Hea	t Generation				

Basic Specifications

Rated Power Capacity = Motor Power Capacity + Control Power Capacity

Actuator Motor Wattage	Motor Power Capacity [VA]	Peek Max. Motor Power Capacity [VA]	Control Power Capacity IVA1	Rated Power Capacity IVA1	Peek Max. Power Capacity [VA]	Heat Generatior IW1
12	41	123	. ,	89	171	30
20	26	78		74	126	30
30D (RS excluded)	46	138		94	186	31
30R (For RS)	138	414		186	462	33
60	138	414		186	462	33
60 (RCS3-CTZ5)	197	591		245	639	32
100	234	702		282	750	35
100S (LSA)	283	851		331	899	36
150	328	984		376	1032	37
200	421	1263		469	1311	38
200(DD)	503	1509		551	1557	7.5
200S (LSA excluding LSA-N15H)	486	1458	48	534	1506	38
200S (LSA-N15H)	773	2319		821	2367	56
300S (LSA)	662	1986		710	2034	40
400	920	2760		968	2808	45
400 (RCS3-CT8)	1230	3690		1278	3738	47
600	1164	2328		1212	2376	56
600 (DD)	1462	4386		1510	4434	20.8
750	4504	3042		4500	3090	50
750S	1521	4563		1569	4611	58
3000	5657	16970		5705	17018	180
3300	6014	18041		6062	18099	182

Selection of Circuit Break
 3 times of the rated current r
trip with this value of current
(Refer to the operation char
 Select an interrupter that do
4 - 1)

For ~750W Motor

Safety Margin (reference 1.2 to 1.4 times) For 3000~3300W Motor

Rated Current for Circuit Interrupter > (Rated Motor Power Capacity [VA] + Control Power Capacity [VA]) / AC Input Voltage > Safety Margin (reference 1.2 to 1.4 times) / √3

[Specification]

Item			Specification		
Body Size			W35.6mm × H158mm × D115mm		
Body Weight		:	0.7kg		
Ir	Internal Regenerative Resistor		235Ω 80W		
A	2nd unit or later	RESU-1, RESUD-1	Controller Connection Cable (Model Code CB-ST-REU010) 1m		
Accessories	First Unit	RESU-2, RESUD-2	Controller Connection Cable (Model Code CB-SC-REU010) 1m		
[Reference Connectable Quantity]					
Mot	or Wattage	Connectable N	lumber of		

Horizontal Mount/Vertical Mou to 100W (N 101 to 400W 401 to 750W

Consilian

 • 2 units for less than 400W
 • 4 units for 400W or (Note 3) It is necessary to have one unit for LSA/LSAS-N10S Type. • RESU-35T (For SCON 3000 to 3300W)

[Specification]					
	Item	Specification			
	Body Size	W45mm × H300mm × D197mm			
	Body Weight	1.8kg			
Inte	rnal Regenerative Resistor	30Ω 450W			
Built-in	Operation Temp.	130°C±5°C			
Temp. Sensor	Contact Format	b contact			
	Contact Open-Close Capacity	DC30V, 200mA (MAX)			

[Refer to servo press function instruction manual for details.]

Item				Specif	pification		
Loadcell Sy	/stem			Strain Gauge			
Rated Capac	city [N]	200	200 600		6000	20000	50000
Allowable Overload [%R.C*1]		200		200	200	200	200
Loadcell Accurac	Loadcell Accuracy [%R.C*1]		±1		±1		
Temperature Drift	Temperature Drift Zero ±0.2		±0.35	±0.2			
[%R.C ^{*1} /10°C]	Output	±C).1	±0.2 ±0.1			
Applicable Temperature Range [°C]				0 to	40		

1. Installation Environment Do not use this product in the following environment.

- Location subject to direct vibration or impact
 Location exposed to direct sunlight

Location subject to electrostatic noise

2. Storage Environment condensation of surrounding air.

PRT : PROFINET-IO Connection Type

may flow to the controller during the acceleration/deceleration. Select an interrupter that does not It. If a trip occurs, select an interrupter that possesses the rated current of one grade higher. racteristics curves in the product catalog.) oes not trip with the in-rush current. (Refer to the operation characteristics curves in the product

catalog.)

 Consider the current that enables to cutoff the current even when a short circuit current is flown for the rated cutoff current.
 Rated Interrupting Current > Short Circuit Current + Primary Power Capacity / Power Voltage

Rated Current for Circuit Interrupter > (Rated Motor Power Capacity [VA] + Control Power Capacity [VA]) / AC Input Voltage >

Regenerative Resistor Unit (Option)

This is a unit that converts the regenerative current to heat when the motor decelerates. • Screw fixed : RESU-1, RESU-2, DIN rail fixed : RESUD-1, RESUD-2 (For SCON to 750W)

	Connectable Number of					
unt	Regenerative Resistor Units					
	Not necessary					
	1					
	2					

(Note 1) This is a reference for the case when the actuator is ran forward and backward on 1,000mm stroke with the operation duty 50% under the rated acceleration/deceleration speed and rated load.

(Note 2) It is necessary to have the regenerative resistor listed above when the operation duty is above 50%. The maximum quantity of the external regenerative resistor units that can be connected is as stated below

4 units for 400W or more

[Reference Connectable Quantity] They are not necessary for RCS3-RA15R. RCS3-RA20R requires two units at maximum depending on the cycle time.

Loadcell

This is the pressing force measurement unit that is used for the force control.

This is used by connecting to the actuator corresponding to the force control or servo press.

[Specification] *1 R.C. Rated Capacity [Refer to servo press function instruction manual for each actuators.]

Installation Environment

This product is capable for use in the environment of pollution degree 2*1 or equivalent. *1 Pollution Degree 2 : Environment that may cause non-conductive pollution or transient conductive pollution by frost (IEC60664-1)

- Location where the surrounding air temperature exceeds the range of 0 to 40 $^\circ\text{C}$ Location where condensation occurs due to abrupt temperature changes
- Location where relative humidity exceeds 85%RH
- Location exposed to corrosive gases or combustible gases
- · Location exposed to significant amount of dust, salt or iron powder
- Location where the product may come in contact with water, oil or chemical droplets
 Environment that blocks the air vent [Refer to Installation and Noise Elimination]
- When using the product in any of the locations specified below, provide a sufficient shield.
- · Location where high electrical or magnetic field is present
- · Location with the mains or power lines passing nearby

• Storage environment follows the installation environment. Especially in a long-term storage, consider to avoid

Unless specially specified, moisture absorbency protection is not included in the package when the machine is delivered. In the case that the machine is to be stored in an environment where dew condensation is anticipated, take the condensation preventive measures from outside of the entire package, or directly after opening the package.

Noise Elimination and Installation

Precautions regarding wiring method Wire is to be twisted for the 24V DC power supply.

2) Separate the signal and encoder lines from the power supply and power lines.

- 2. Noise Sources and Elimination
- Carry out noise elimination measures for electrical devices on the same power path and in the same equipment.
- The following are examples of measures to eliminate noise sources. 1) AC solenoid valves, magnet switches and relays
- 2) DC solenoid valves, magnet switches and relays
- 3. Heat Radiation and Installation
- Design and Build the system considering the size of the controller box, location of the controller and cooling factors to keep the ambient temperature around the controller below 40 °C.

PIO Interface Type Output section Input section DC24V±10% DC24V±10% Input voltage _oad current Maximum load 0mA 1circuit nput current 5mA 1circuit urrent Specification ON voltage MIN. 18V DC ON/OFF voltage MAX. 2mA/1point eakage current OFF voltage MAX. 6V DC External circuit insulation with photocoupler MSEF MSEF 24V DC | ± 4 K NPN <u>5.6K</u> Extern

Wiring of I/O

Use the attached cable for the connection



Wiring of DeviceNet

Check the instruction manuals for each field network master unit and mounted PLC for the details.

RD (V+) (B) 1 (C) 2 (C) 3 WT (CAN H) Shield BL (CAN L) BK (V-) * (B) * 11/1 Connector Name DeviceNet Connector MSTB2.5/5-STF-5.08 AU Enclosed in standard package Cable Side Anufactured by PHOENIX CONTACT Controller Side MSTBA2.5/5-GF-5.08 AU Front view of connector on Applicable Cable Pin No. Signal Name Contents controller side 1 V- (BK) Power Supply Cable Negative Side CAN L (BL) Communication Data Low Side 2 DeviceNet Shield (None) Shield 3 edicated Cable

Wiring of CC-Link

Communication Data High Side

Power Supply Cable Positive Side

Check the instruction manuals for each field network master unit and mounted PLC for the details.

CAN H (WT)

V+ (RD)

4

5

		Shield (SLD) YW (DG) WT (DB) BL (DA)	
(Connector Name	CC-Link Connector	
Front view of	Cable Side	SMSTB2.5/5-STF-5.08 AU	Enclosed in standard package Manufactured by PHOENIX CONTACT
connector on	Controller Side	MSTBA2.5/5-GF-5.08AU	

D: 11	0. 111			
Pin No.	Signal Name	Contents	Applicable Cable	
1	DA (BL)	Communications Line A		
2	DB (WT)	Communications Line B		
3	DG (YW)	Digital GND		
4	SLD	Connect the shield of the shielded cable (Connect the FG of the 5 pins and controller FG internally)	CC-Link Dedicated Cable	
5	FG	Frame Ground (Connect the SLD of the 4 pins and controller FG internally)		

lease prepare separately

Applicable Cable

PROFIBUS-DP

Dedicated Cable (Type A : EN5017)

Wiring of PROFIBUS-DP



Wiring of CompoNet

Check the instruction manuals for each field network master unit and mounted PLC for the details.



Connector Name CompoNet Connector Cable Side Connector that complies with CompoNet standards Front view of ontroller Side XW7D-PB4-R Manufactured by OMRON connector on controller side

Pin No.	Signal Name	Contents	Applicable Cable
1	BS+ (RD)	Communication Power Supply + (Note 1)	
2	BDH (WT)	Signal Cable H Side	CompoNet
3	BDL (BL)	Signal Cable L Side	Dedicated Cable
4	BS- (BK)	Communication Power Supply - (Note 1)	
Note 1 It is unnecessary to supply the communication power. (Internal power source is used.) If conducting multi power supply to other slave devices via communication cables, there is problem with connecting the power supply to DSA and BS- terminals.			

Wiring of EtherNet/IP, PROFINET-IO, EtherCAT

Refer to the instruction manuals for field network master unit and mounted Host Device for the details.

Disconnected

				=
EtherNet/IP front	Connector Name		EtherNet/IP Connector (EtherNet/IP), EtherCAT Connector (EtherCAT), PROFINET-IO Connector (PROFINET-IO)	
view of connector	Cable Sic	le	8P8C Modular Plug	
on controller side	Controller Side		8P8C Modular Jack	
	Pin No.	Signal Name	Description	Applicable cable diameter
	1	TD+	Data sending +	
.l .f.	2	TD-	Data sending -	
	3	RD+	Data receiving +	For EtherNet cable use a
아머믹	4	-	Disconnected	straight STP cable that
	5	-	Disconnected	possesses the performance
₁╷└▁б╏	6	RD-	Data receiving -	of Category 5e or more.
	7	-	Disconnected	1



There are nine patterns of control systems. Set the operation pattern most suitable for the purpose in Parameter No. 84.			
No.84 Setting	Mode Name	Occupied Data Volume (Number of linternal Relay)	Contents
0	Remote I/O Mode	32	PIO patterns selected in Parameter No. 25 are assigned to the internal relay.
1	Posiiton /Simple Direct Mode	128	Indicate the target position with direct numerical command, or operation can be made in the value in the position data. For other values necessary for operation, the operation modes set in the position data are assigned to the internal relay.
2	Half Direct Mode	256	The operation modes to make operation by indicating the velocity, acceleration /deceleration and pressing current as well as the target position with the direct numbers are assigned to the internal relay.
3	Full Direct Mode	512	The operation modes to make operation by indicating all the values related to the position control with the direct numbers are assigned to the internal relay.
4	Remote I/O Mode 2	192	The operation modes that the current position and the current velocity reading function was added to the remote I/O mode functions are assigned to the internal relay.
5	Posiiton /Simple Direct Mode 2	128	The operation modes that conduct the force control (loadcell pressing) instead of teaching and zone function in the position / simple direct mode are assigned to the internal relay.
6	Half Direct Mode 2	256	The operation modes that read the current load of the loadcell instead of command current reading in the half direct mode are assigned to the internal relay.
7	Remote I/O Mode 3	192	The operation modes that the force control (loadcell pressing) function was added to the remote I/O mode are assigned to the internal relay.
8	Half Direct Mode 3	256	The operation modes that conduct the anti-vibration control instead of JOG function in the half direct mode are assigned to the internal relay.

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view of connector on controller side 8

MECHATROLINK- I / II

Check the instruction manuals for each field network master unit and mounted PLC for the details.

MECHATROLINK Cable (JEPMC-W6002 etc.)

ector Na	Name MECHATROLINK- I / II Connector				
e Side		MECHATROLINK- I / II that complies		ith CompoNet standards	
No.	o. Signal Name (Colors)		Contents	Applicable Cable	
1	NC		Disconnected		
2	/DATA		Signal - Side	MECHAI ROLINK	
3	DATA		Signal + Side	Dedicated Cable	
4	SH D		Disconnected		

Operation Pattern



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