

		SCON-C/CA/CB/CGB			
	Less than 400W	400 to 750W	3000 to 3300W	SCON-CAL/CGAL	
	PWR (green) : Contr SV (green) : Servo ALM (orange) : Alarm EMG (red) : Emer WRG (orange): Warn	oller in normal condition ON, generated, gency Stop, ing generated (only Ca	on, AL/CGAL Type)		
anel)	Switching NOM (stan	dard)/BK RLS (compu	lsory release)		
	500V DC 10MΩ or I	nore			
	1,500V AC for 1 min.	(Note) Withstand vo	Itage of force control le	padcell is 50V DC	
ure	0 to 40°C				
	5%RH to 85%RH (non-condensing)				
	[Refer to Installation Environment]				
ature	-20 to 70°C (non-condensing)				
dity	5%RH to 85%RH (non-condensing)				
	XYZ Each direction 10 to 57Hz Pulsating amplitude 0.035mm (continuous) 0.075mm (intermittent) 57 to 150Hz 4.9m/s ² (continuous) 9.8m/s ² (intermittent)				
	SCON-C: Approx. 800g SCON-CA/CB/CGB: Approx. 900g	SCON-C: Approx. 1000g SCON-CA/CB/CGB: Approx. 1200g	Approx. 2800g	Approx. 560g	
	Natural air-cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	
	$58W \times 194H \times 121D$	$72W \times 194H \times 121D$	92.7W × 300H × 187.7D	$49W \times 158H \times 116D$	

In-rush current will flow for approximately 20msec after the power is turned on (at 40°C)

1 In-rush current will flow for approximately 20msec after the power is turned on (41 40°C). The value of in-rush current differs depending on the impedance of the power supply line.
 2 Leak current varies depending on the capacity of connected motor, cable length and the surrounding environment. Measure the leak current at the point where a ground fault circuit interrupter is to be installed when leakage protection is conducted. A ground fault circuit interrupter needs to be selected carefully considering the purposes of prevention of fire and protection of human. Use the harmonic type (for inverter) for the ground fault circuit interrupter.
 3 It is not necessary to supply power to PIO when operating with using Field Network, ROBONET, Gateway Unit or SIO Converter without using PIO. In this case, set the parameter No. 74 (PIO Power Supply Monitor) to "1" (Invalid). It will generate the error code No. 0CF (I/O 24V Power Supply Error) if the setting is not done.

wer ty	Peek Max. Control Power Motor Power Capacity Capacity [VA] [VA]		Rated Power Capacity [VA]	Peek Max. Power Capacity [VA]	Heat Generation [W]
	123		89	171	30
	78		74	126	30
	138		94	186	31
	414		186	462	33
	414		186	462	33
	591		245	639	32
	702		282	750	35
	851		331	899	36
	984		376	1032	37
	1263		469	1311	38
	1509	48	551	1557	7.5
	1458		534	1506	38
	2319		821	2367	56
	1986		710	2034	40
	2760		968	2808	45
	3690		1278	3738	47
	2328		1212	2376	56
	4386	4386		4434	20.8
	3042		1560	3090	58
	4563		1509	4611	50
	16970		5705	17018	180
	18041		6062	18099	182

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

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

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

External Dimensions



SCON-CAL/CGAL



For Screw-fixed Type For DIN Rail Mounting Type

[Appearance]

Ŭ0000000000000000000

SCON-CGB (For 3000 to 3300W Motor)



Regenerative Resistor Unit (Option)

This is a unit that converts the regenerative current to heat when the motor decelerates. • RESU (D)-1, RESU (D)-2

[Spec	[Appearance]			
	Item		Specification	Screw
Body Size		RESU	$W34mm \times H154mm \times D106.5mm$	Attachment
		RESUD	W34mm \times H158mm \times D115mm	Type
	Body Weight		0.4kg	RESU-1
Inte	Internal Regenerative Resistor		235Ω 80W	RESU-2
sories	First Unit	RESU-2 RESUD-2	Controller Connection Cable (Model Code CB-SC-REU010) 1m	11200-2
Acces	2nd unit or later	RESU-1 RESUD-1	Controller Connection Cable (Model Code CB-ST-REU010) 1m	

[Guideline for number of units to be connected]

Motor Wattage Horizontal Mount/Vertical Mount	Connectable Number of Regenerative Resistor Units	DIN rail Attachmer	
To 100W (Note 3)	Not Required	Туре	
101 to 400W	1	RESUD-	
401 to 750W	2	RESUD-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 ratio 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 ratio 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 2 units for less than 400W

(Note 3) It is necessary to have one unit for LSA/LSAS-N10S Type.

• RESU-35T (For SCON-CGB 3000 to 3300W Motor)

[Specification]

Lebeenie	aaanj	
Item		Specification
Body Size		W45mm $ imes$ H300mm $ imes$ D197mm
Body Weight		1.8kg
Internal Regenerative Resistor		30Ω 450W
Built-in Temp. Sensor	Operation Temp.	130°C±5°C
	Contact Format	b Contact
	Contact Open-Close Capacity	DC30V, 200mA(MAX)

[Guideline for number of units to be connected]

Servo Press Type : It is necessary to have one unit for RCS3-RA15R when the cycle time is at 2.5s or less.

RCS3-RA20R requires two units at maximum

depending on the cycle time.

Transfer Type : It depends on the operational condition (payload, transfer velocity, duty ratio). [Refer to each instruction manual for details.]

Brake Box (Option) : RCB-110-RA13-0

This is applied on NS Actuator and RCS-RA13R with brake.



Loadcell (Dedicated Option for SCON-CA/CB/CGB)

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 Loadcell System Strain Gauge Rated Capacity [N] 600 20000 30000 50000 2000 6000 200 Allowable Overload [%R. 200 200 200 200 200 200 Loadcell Accuracy [%R.C^{*1}] ±1 ±1 +1 0 to 4

[Refer to each actuator instruction manual for details of how to attach and the dimensions.]

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)

1. Installation Environment

- Do not use this product in the following environment Location where the surrounding air temperature exceeds the range of 0 to 40°C
- Location where condensation occurs due to abrupt temperature changes
 Location where relative humidity is out of the range between 5%RH and 85%RH
- Location exposed to corrosive gases or combustible gases
 Location exposed to significant amount of dust, salt or iron powder
- · Location subject to direct vibration or impact
- Location exposed to direct sunlight
- 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 subject to electrostatic noise
 Location where high electrical or magnetic field is present

Storage environment follows the installation environment. Especially in a long-term storage, consider to avoid condensation of surrounding air.

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.

1. Noise Elimination Grounding (Frame Ground)





- 2. Precautions regarding wiring method 1) Wire is to be twisted for the 24V DC power supply.
- 3. Noise Sources and Elimination Carry out noise elimination measures for power 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 [Measure] Install a Noise killer parallel with the coil. 2) DC solenoid valves, magnet switches and relays
- [Measure] Mount the windings and diodes in parallel. Select a diode built-in type for the DC relay 4. Heat Radiation and Installation
- Design and Build the system considering the size of the controller . P box, location of the controller and cooling factors to keep the ambient temperature around the controller below 40°C +24V 0V Apply screws sized M4 × 10mm when attaching the product with screws.

SCON-C/CA/CB/CGB (For ~750W Motor)









SCON-CGB (For 3000 to 3300W Motor)



SCON-C/CA/CB/CGB (For ~750W Motor)



· Location with the mains or power lines passing nearby

2. Storage Environment

Installation and Noise Elimination

Do not share the ground wire with or connect to other equipment. Ground each controlle

1 unit of Brake Box possesses brakes for 2 shafts.

[Specification] Applicable Temperature Range[°

*1 R.C : Rated Capacity

Installation Environment

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





Connection Diagram







• For Models Equipped with brake Except for RCS2-RA13R and NS Actuators



• RSC2-RA13R Equipped with Brake, with no Loadcell, or NS Actuators with Brake



• For RCS2-RA13R equipped with no brake and with loadcell for SCON-CA/CB/CGB or for when connecting the servo press actuator to CB/CGB Servo Press Type



• RCS2-RA13R Equipped with Brake and Loadcell in SCON-CA/CB/CGB









Power Supply and Emergency Stop Circuit

• Wiring for Power Supply (to be prepared by customer) SCON-C/CA/CAL/CGAL/CB/CGB (For ~750W Motor) SCON AC Power Supply B. Motor Power Suppl NE* SK*2 Class D grounding (Formerly Class-III grou ¥₽ ₩ 66 Input Cor 24V DC Power Supply 0V Brake Release Box SCON-CGB (For 3000 to 3300W Motor)



Power consumption varies depending on the connected actuator, etc. Select the circuit breaker that suits to the specification. [Refer to Basic Specifications]

A ground fault circuit interrupter needs to be selected carefully considering the purposes of prevention of fire and protection of human. Use the "harmonic type" for the ground fault circuit interrupter. Also, check the leak current at the set points Refer to the instruction manual for the recommended models for the noise filter, clump filter and surge absorber.

• Wiring for Emergency Stop Input

The following diagram shows an example of how the emergency stop switch for the teaching pendant may be included in the emergency stop circuit you may construct.

SCON-C/CA/CAL/CGAL/CB/CGB (For ~750W Motor)



SCON-CGB (For 3000 to 3300W Motor)



(Note) Refer to the Section for MECHATROLINK-III for the operation modes and features of MECHATROLINK-III. SCON-C Type is available for the operation of (1) Remote I/O Mode. SCON-CA Type has modes from (1) to (9) to select from for operation. SCON-CAL/CGAL Types have modes from (1) to (5) and (9) to select from for operation. SCON-CB/CGB Types have all operation modes from (1) to (10) to select from for operation. ((10) is dedicated only for servo press type)

(1) Remote I/O Mode	:	This is
(2) Position /	:	This is
Simple Direct Mode		The v
		positio
(3) Semi-Direct Mode	:	This is
		currer
(4) Full-Direct Mode	:	This is
(5) Remote I/O Mode 2	:	This is
(6) Position /	:	This is
Simple Direct Mode 2		function
(7) Semi-Direct Mode 2	:	This is
(8) Remote I/O Mode 3	:	This is
(9) Semi-Direct Mode 3	:	This is
(10) Full Functional Mode	:	It is a

 Specification • LED Indicators for Monitorin

LED Color Illumination St Steady Lig GN Blinking Steady Ligh MS OR



Note 1 The power rating of the motor power-off relay turning ON/OFF with contact CR1 is 30V DC and 100mA or less. Note 2 Connect such as a connector to L1/L2 terminals when cutting off the motor power source externally Note 3 CGAL/CGB Types are not equipped with a relay to enable to automatically identify a teaching tool was inserted and switch the wiring layout. (The system I/O connector does not get short-circuited between S1 and S2 terminals even if a teaching tool is removed. Connect the enclosed dummy plug DP-5 to the SIO connector when it is necessary to have short-circuit.) The controller on except for CGAL/CGB Types automatically identifies that a teaching tool was inserted. (Short-circuit is made between S1 and S2 terminals inside the controller once connection is detected.) Note 4 Since there is no motor power cutoff relay in CGAL/CGB Types, make sure to establish a cutoff relay externally.

Note 1 The power rating of the motor power-off relay turning ON/OFF with contact CR1 is 30V DC and 100mA 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.)

Note 3 It is the contact output to control the drive source breaker connected externally. The rating is 30V DC and 20mA or less. Note 4 Connect a temperature sensor when an external regenerative resistor unit is connected

Operation Modes and Functions (other than MECHATROLINK-III)

is the mode to perform operation by PIO (24V I/O) with Field Network.

is the mode to perform operation by indicating the target position by inputting the value directly, values of the position data already registered for the speed, acceleration/deceleration and ioning band are to be used in this mode. is the operation mode to indicate the speed, acceleration/deceleration and pressing

nt, as well as the target position, by inputting the values directly.

the operation mode to indicate all related to the position control by inputting the values directly. s the mode that the function to read the current position and the current speed is added to Remote I/O. is the mode corresponding to the force control function instead of the teaching and zone ons in (2).

s the mode that enables to read the loadcell data instead of reading the command current value in (3). is the mode that the function to read the current position and loadcell data is added to (1) functions is the mode that equips the vibration control function instead of the jog function in (3). mode dedicated for the servo press type.

DeviceNet

Refer to the DeviceNet Instruction Manual [ME0256 : CA/CAL/CB Type, ME0124 : C Type]

ig	
atus	Explanation
nt	In normal operation
	A hardware error occurred. Condition sometimes recovers after the power reboot.
nt	A hardware error occurred. Board must be replaced.
	An error occurred in the user settings. It is just a simple error such like configuration error. It can be recovered with a rebuild of the settings.
	Power is not supplied during DeviceNet initializing.
nt	Connection is established and the communication under normal condition
	Online but network connection is not yet established. Communication is stopped. (Network is in normal condition)
nt	Node address duplication or bus-off state was detected. Communication is not possible.
	Communication error (Communication time-out is detected.)
	Not online. DeviceNet Power is not supplied.



uded) nitoring	 Station Number Setting (Pay attention not to duplicate) Station number is set with parameter. Set Parameter No. 85 "NADR : Fieldbus Node Address" with using the PC software for RC. Available range for Setting : 0 to 63 (setting at delivery : 63)
	• Baud Rate Setting There is no need to set the baud rate since it automatically follows the master setting.
	(Note) Make sure to reboot the controller after the parameter setting is complete, and do not forget to turn the mode changeover switch to "AUTO" side.
	 Operation Mode Setting and Address Assignment Please refer to the Instruction Manual for DeviceNet (ME0256)

[Refer to DeviceNet (ME0124) Instruction Manual regarding the interface part of SCON-C1 * Whether there are affixing screws enclosed or not for the communication connector depends on the model types.

Check in Product Check 1 Parts.

• Wiring * It is no enclosed in terminal resistor



CC-Link

Specification

Refer to the CC-Link Instruction Manual [ME0254 : CA/CAL/CB Type, ME0123 : C Type] • SCON-CA/CB/CGB • SCON-CAL/CGAL

Interface Area Interface Area



Station Number Setting (Pay attention not to duplicate)
Station number is set with parameter.
Set Parameter No. 85 "NADR : Fieldbus Node Address" with using the PC

software for RC. Available range for Setting : 1 to 64 (setting at delivery : 1)

Baud Rate Setting Set Parameter No. 86 "FBRS : Fieldbus Baud Rate Setting" with using the PC software for RC

Setting value	Dauu Rale	
0 (at the delivery)	156kbps	
1	625kbps	
2	2.5Mbps	
3	5Mbps	
4	10Mbps	
) Make sure to report the controller after the parameter setting is		

(Note) complete, and do not forget to turn the mode changeover switch to "AUTO" side.

Operation Mode Setting and Address Assignment Please refer to the Instruction Manual for CC-Link (ME0254)

* Whether there are affixing screws enclosed or not for the communication connector depends on the model types Check in Product Check 1 Parts.

•	Status LED			
	LED	Color	Illumination Status	Contents of display (Detailed Explanation)
	STATUS 1	5	Steady Light	 An error occurred (CRC Error, Station Number Switch Setting Error, Baud Rat Switch Setting Error) Since turning the power on or software reset till completion of CC-Link initialization
E	ERR	UR	Off	 Communication in normal condition
				 The station number setting or the baud rate setting is changed during the

Blinking communication STATUS 0 Steady Light · Communicating GN RUN Off • Not in communication

[Refer to CC-Link (ME0123) Instruction Manual regarding the interface part of SCON-C]

• Wiring



PROFIBUS-DP

Specification

Refer to the PROFIBUS-DP Instruction Manual [ME0258 : CA/CAL/CB Type, ME0153 : C Type] • Communication Connector (Pins No. 1, 2, 4, 7 and 9 are not to be used.)

	- ()	
Pin No.	Description	Contents
3	B-Line	$R \times D \cdot T \times D$ (positive side communication line)
5	GND	Signal Grounding (insulated)
6	+5V	+5V Output (insulated)
8	A-Line	$/R \times D \cdot /T \times D$ (negative side signal line)
Housing	Shield	Cable Shield (connected to housing)

Station Number Setting

Station number is set with parameter

• SCON-CA/CB/CGB • SCON-CAL/CGAL Interface Area Interface Area STATUS tus I ED atus I ED



Operation Mode Setting and Address Assignment Please refer to the Instruction Manual for PROFIBUS-DP (ME0258).

Status LED

	LED	Color	Illumination Status	Contents of display (Detailed Explanation)	
	STATUS 1 NS	GN	Steady Light	Online from field network and communication in normal condition.	
			Blinking	Offline from field network	
		OR	Blinking	Communication error is occurred.	
	STATUS 0 MS	GN	Steady Light	In normal operation	
			Blinking	Getting ready for operation	
		OR	Steady Light	An error detected on communication-related hardware during preparing for operation.	

[Refer to PROFIBUS-DP (ME0153) Instruction Manual regarding the interface part of SCON-C]

Network Termination

When connecting to the network terminal, apply a terminal resistor to PROFIBUS-DP Communication Connector as shown below or apply a connector already equipped with a terminal resistor.

• An example for a connector equipped with a terminal resistor : SUBCON-PLUS-PROFIB/AX/SC (Phoenix Contact) · Connection of Terminal Resistor



* It is no enclosed in terminal resistor



Class D grounding (Formerly Class-III grounding)

CompoNet (SCON-C excluded)

Specification

Refer to the CompoNet Instruction Manual [ME0220 : CA/CAL/CB Type]

LED Indicators for Monitoring					
LED	Color	Illumination Status	n Status Explanation		
	GN	Steady Light	n normal operation		
	RD	Steady Light	A hardware error occurred. Board must be replaced.		
MS		Blinking	An error occurred in the user settings. It is just a simple error such like configuration error. It can be recovered with a rebuild of the settings.		
	-	Off	Power is not supplied during CompoNet initializing.		
	GN	Steady Light	Connection is established and the communication under normal condition		
NO		Blinking	Online but network connection is not yet established. Communication is stopped. (network is in normal condition)		
NS	RD	Steady Light	Duplication of the node address is considered.		
		Blinking	Communication error (communication time-out is detected.)		
	-	Off	Not online. Power is not supplied.		



Specification

Status LEL)						
LED	Color	Illumination Status		Explanation			
OTATUOA	GN	Steady Light	Online from field network and communication in normal condition.				
STATUST ST1	RD	Steady Light	Communication error is occurred.				
011	-	Off	Offline from field network				
	GN	Steady Light	In normal operation				
STATUS0 ST2	RD	Steady Light	An error detected on communication-related hardware during preparing for operation.				
	-	Off	While in preparation or the power is yet to be supplied.				
SCON-CA/CB/CGB Interface Area Node Address Setting							
NC	STATUS MECHATROLINK Communication (2 systems)		Node address can be set with the parameter. Set Parameter No. 85 "NADR : Fieldbus Node Address" with using the PC software for RC. Available range for Setting : 97 to 127 [hex] (setting at delivery : 97) Baud Rate Setting Set Parameter No. 86 "FBRS : Fieldbus Baud Rate Setting" with using the PC software for RC.				
			Setting Value	Baud Rate	Data Length		
	I		0	4Mbps (MECHATROLINK I)	17 bytes		
			1	10Mbps (MECHATROLINK II)	17 bytes		
SCON-CAL	CGAL Interf	ace Area	2 (at the delivery)	10Mbps (MECHATROLINK II)	32 bytes		
	ST1 Status	LED	(Note) Make sure to reboot the controller after the parameter setting is complete, and do not forget to turn the mode changeover switch to "AUTO" side.				
NC /DATA	MECHA Communic (2) system	TROLINK nication for ms)	Operation Mode Settin Please refer to the Inst	g and Address Assignment ruction Manual for MECHATROL	.INK (ME0221).		



Status LEL)						
LED	Color	Illumination Status		Explanation			
07471104	GN	Steady Light	Online from field network and communication in normal condition.				
STATUST ST1	RD	Steady Light	Communication error is occurred.				
511	– Off		Offline from field netwo	rk			
	GN	Steady Light	In normal operation	ormal operation			
STATUS0 ST2	RD	Steady Light	An error detected on communication-related hardware during preparing for operation. While in preparation or the power is yet to be supplied.				
	-	Off					
SCON-CA/	CB/CGB Inte	erface Area					
Node Address Setting Node address can be set with the parameter. Set Parameter No. 85 "NADR : Fieldbus Node Address" with PC software for RC. Available range for Setting : 97 to 127 [hex] (setting at delive Baud Rate Setting Set Parameter No. 86 "FBRS : Fieldbus Baud Rate Setting" Set Parameter No. 86 "FBRS : Fieldbus Baud Rate Setting" Set Parameter No. 86 "FBRS : Fieldbus Baud Rate Setting"				" with using the delivery : 97) ting" with using			
			Setting Value	Baud Rate	Data Length		
	Į.		0	4Mbps (MECHATROLINK I)	17 bytes		
			1	10Mbps (MECHATROLINK II)	17 bytes		
SCON-CAL	CGAL Interf	ace Area	2 (at the delivery)	10Mbps (MECHATROLINK II)	32 bytes		
STT I Status LED STZ I Status LED MECHATROLINK Communication Connector (2 systems)			(Note) Make sure to m complete, and to "AUTO" side Operation Mode Settin Please refer to the Inst	eboot the controller after the para do not forget to turn the mode ch g and Address Assignment ruction Manual for MECHATROL	ameter setting is nangeover switch .INK (ME0221).		

• Wiring Connect the dedicated cable for MECHATROLINK.

Specification

Status LED				
LED	LED Color Illumination Status		Explanation	
	GN: D LINK	Steady Light	Cyclic transmission in process	
		Blinking	Cyclic transmission paused	
NS		Off	Cyclic transmission not conducted, parallel off, Power not supplied	
	OR: L ERR	Steady Light	Received data in error	
		Off	Received data in normal conditions, Power not supplied	
	GN: RUN	Steady Light	Operation in normal conditions	
MS		Off	Hardware error occurred, Power not supplied	
IVI5	OR: ERR	Steady Light	Error being occurred (Node Error / Station Number Setting Error)	
		Off	Operation in normal conditions, Power not supplied	
	GN	Steady Light	Linkup in process	
LINK		Off	Link-down in process, Power not supplied	
	OR	Steady Light	Received data in error	
L.ER		Off	Received data in normal conditions, Power not supplied	



- Station Number Setting
- Station number is set with parameter.
- Set Parameter No. 85 "NADR : Fieldbus Node Address" with using the PC software for RC
- Available range for Setting : 0 to 63 (setting at delivery : 0) (Note) There is no need to set the baud rate since it automatically
- follows the master setting. (Note) Make sure to reboot the controller after the parameter setting is complete, and do not forget to turn the mode changeover switch to "AUTO" side.
- Operation Mode Setting and Address Assignment
- Please refer to the Instruction Manual for CompoNet (ME0220).

It is unnecessary to supply the communication power to SCON for CompoNet Type. However, connect the communication power supply to BS+ and BS- when multi power supply is required.

MECHATROLINK- I / I (SCON-C excluded)

Refer to the MECHATROLINK Instruction Manual [ME0221]

CC-Link IE Field (Dedicated for SCON-CB/CGB)

Refer to the CC-Link IE Field Instruction Manual [ME0389]



Trouble Shooting

In the case an error is occurred, check the operation status on the LED display on the front panel [Refer to Each Field Network Section], and also, check the status monitor by connecting a teaching tool such as PC software for RC.

Either of the following alarms will be shown for Field Network. Please refer to the Instruction Manual of the controller for other alarms to perform an appropriate treatment.

Code	Error Name	ID (*1)	RES (*2)	Cause / Treatment
0F2	Fieldbus Module Error	05	×	Cause : An error is detected on Field Network module Treatment : Check on the parameter
0F3	Fieldbus Module Not Detected	04	×	Cause : Module cannot be detected Treatment : Turn the power off and reboot. Please contact us if the problem is not solved with this action.

(*1) ID \rightarrow Simple alarm code

(*2) RES \rightarrow Alarm reset available/unavailable \circ : Alarm reset available / ×: Alarm reset unavailable



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