

# Device/PLC Connection Manuals

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## About the Device/PLC Connection Manuals

Prior to reading these manuals and setting up your device, be sure to read the "Important: Prior to reading the Device/PLC Connection manual" information. Also, be sure to download the "Preface for Trademark Rights, List of Units Supported, How to Read Manuals and Documentation Conventions" PDF file. Furthermore, be sure to keep all manual-related data in a safe, easy-to-find location.

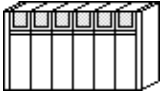



## 2.12 Koyo Electronics Industries

### 2.12.1 System Structure

The following describes the system structure for connecting the GP to Koyo Electronics Industries PLCs.





**Reference** The Cable Diagrams mentioned in the following tables are listed in the section titled "2.12.2 Cable Diagrams".

#### ■ KOSTAC SG Series (using Link I/F)

CPU	Link I/F	Cable Diagram	GP
	 Upper Link Module		
SG-8	G01-DM	RS-232C (Cable Diagram 1)	GP series
		RS-422 (Cable Diagram 2)	
	CPU Unit Upper Link I/F *1	RS-232C (Cable Diagram 1)	
		RS-422 (Cable Diagram 3)	

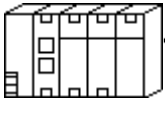


\*1 Connect to the CPU module's generic communication port.

#### ■ KOSTAC SU Series (using Link I/F)

CPU	Link I/F	Cable Diagram	GP
	 Upper Link Module		
SU-5	U01-DM	RS-232C (Cable Diagram 1)	GP series
SU-6	U01-DM		
	CPU Unit Upper Link I/F *1		
SU-6B	CPU Unit Upper Link I/F *1	RS-232C (Cable Diagram 1)	GP series
		RS-422 (Cable Diagram 3)	

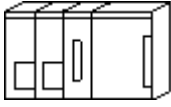



\*1 Connect to the CPU module's generic communication port.

### ■ KOSTAC SZ Series (using CPU unit Link I/F)

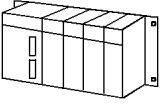



CPU	Cable Diagram	GP
		
SZ-4 <sup>*1</sup>	RS-232C (Cable Diagram 4)	GP series

\* 1 Connect to the CPU module's generic communication port.

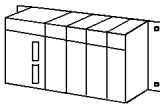

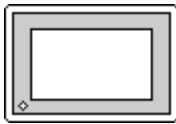
### ■ KOSTAC SR Series (using Upper Link I/F)

CPU	Link I/F	Cable Diagram	GP
	 Upper Link I/F		
SR-21 SR-22	E-02DM-R1	RS-422 (Cable Diagram 2)	GP series

### ■ DL-405 Series (using Link I/F)

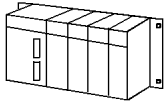


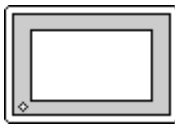
CPU	Link I/F	Cable Diagram	GP
	 Upper Link Module		
D4-430	D4-DCM	RS-232C (Cable Diagram 1)	GP series
D4-440	D4-DCM Link I/F on CPU unit		

### ■ DL-205 Series (using Link I/F on CPU unit)

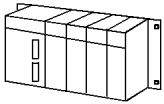

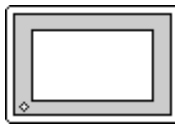
CPU	Cable Diagram	GP
		
D2-240 <sup>*1</sup>	RS-232C (Cable Diagram 5)	GP series

\* 1 Connect to the CPU module's generic communication port.

### ■ DL-305 Series (using Link I/F on CPU unit)

CPU	Link I/F	Cable Diagram	GP
	 Upper Link I/F		
D3-330	D3-DCM	RS-422 (Cable Diagram 2)	GP

### ■ Direct Logic 05 Series

CPU	Cable Diagram	GP
		
D0-05AA, D0-05AD D0-05AR, D0-05DA D0-05DD, D0-05DD-D D0-05DR, D0-05DR-D	RS-232C (Cable Diagram 6)	GP Series

## 2.12.2 Cable Diagrams

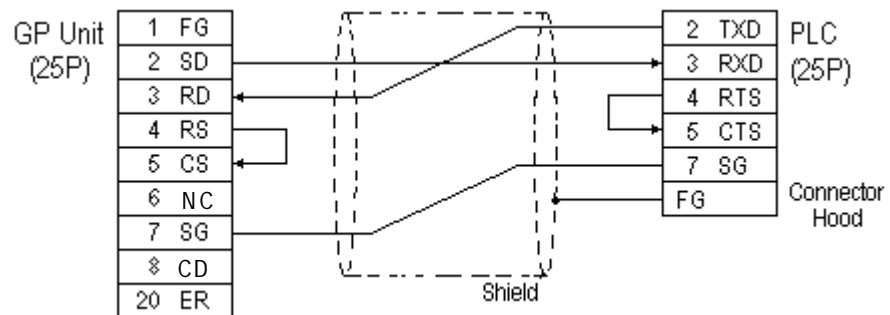
The cable diagrams illustrated below and the cable diagrams recommended by Koyo Electronic Industries may differ, however, using these cables for your PLC operations will not cause any problems.



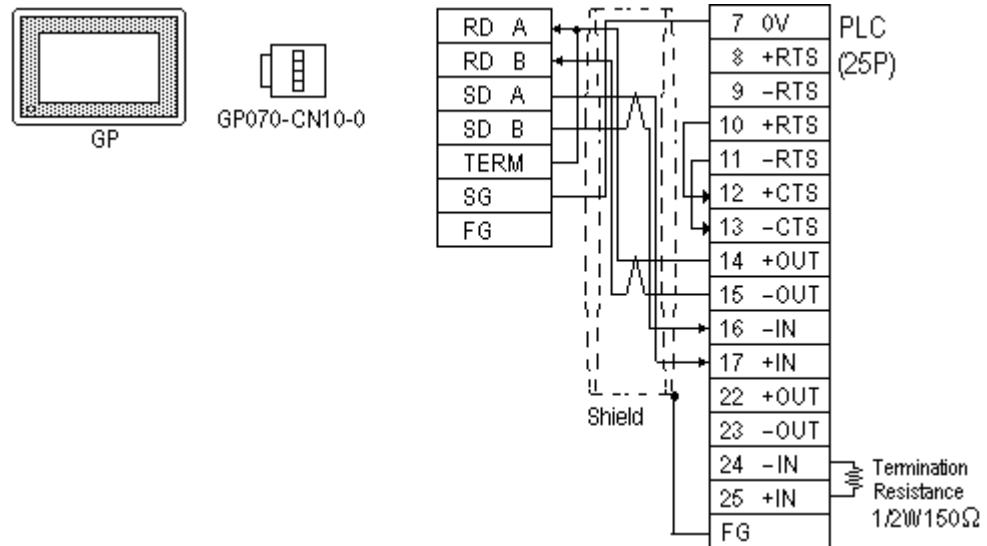
*Ground your PLC's FG terminal according to your country's applicable standard. For details, refer to the corresponding PLC manual.*



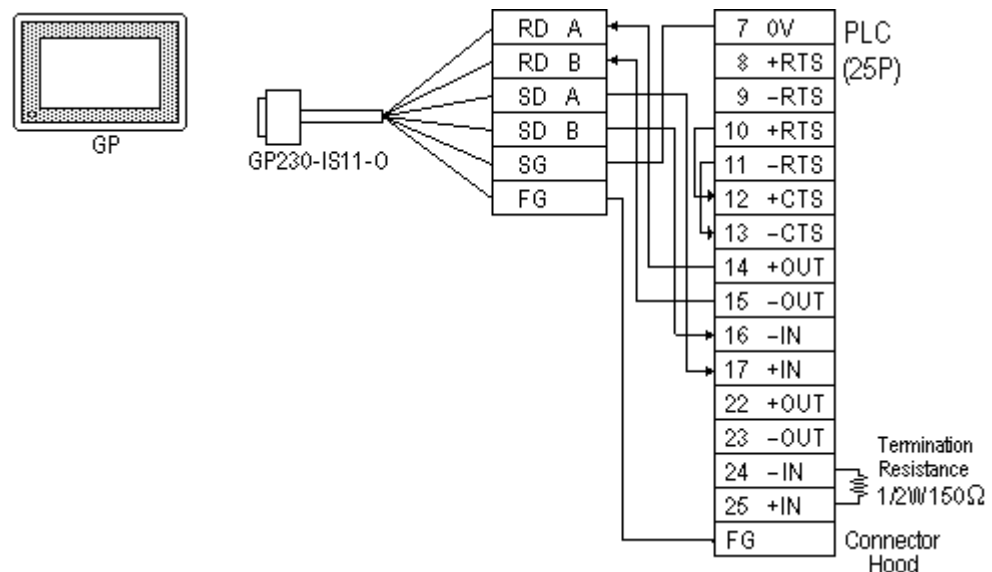
- **Connect the FG line of the Shield cable to either the GP or PLC, depending on your environment. When using a connector hood and grounding the FG line, be sure to use an electrical conductor.**
- **For the RS-232C connection, use a cable length less than 15m.**
- **If a communications cable is used, it must be connected to the SG (signal ground).**
- **For the RS-422 connection, use a cable length less than 600m.**

**Cable Diagram 1 (RS-232C)****Cable Diagram 2 (RS-422)**

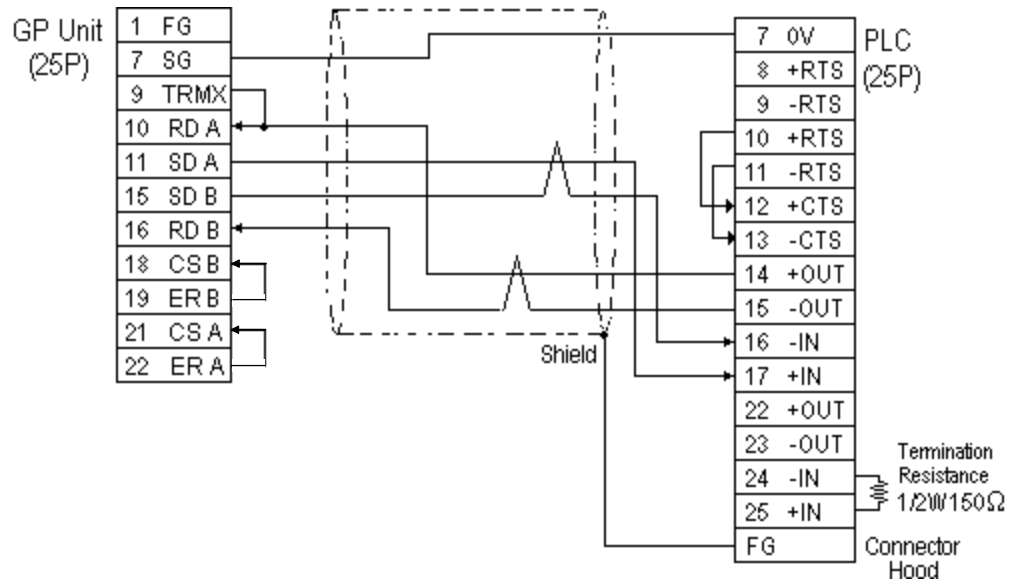
- When using Digital's RS-422 connector terminal adapter GP070-CN10-0



- When using Digital's RS-422 Cable, GP230-IS11-0



- When making your own cable connections

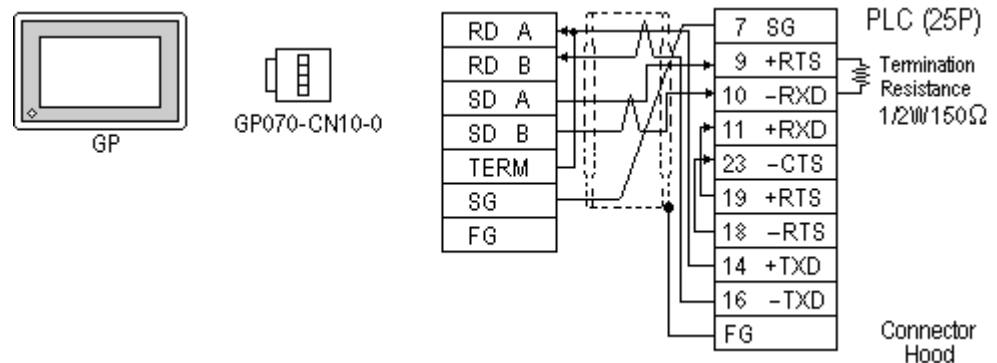


**Note:**

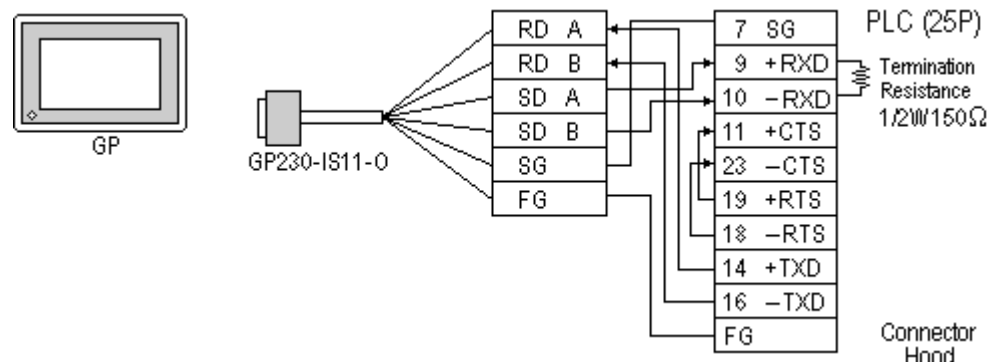
- When making your own connections, we recommend using Hitachi Densen's CO-SPEV-SB(A)3P\*0.3SQ cable.
- When connecting the #9 and #10 pins in the GP Serial I/F, a termination resistance of  $100\Omega$  is added between RDA and RDB.
- When using RS-422 connection, the cable length must not be any longer than 600 meters.

## Cable Diagram 3 (RS-422)

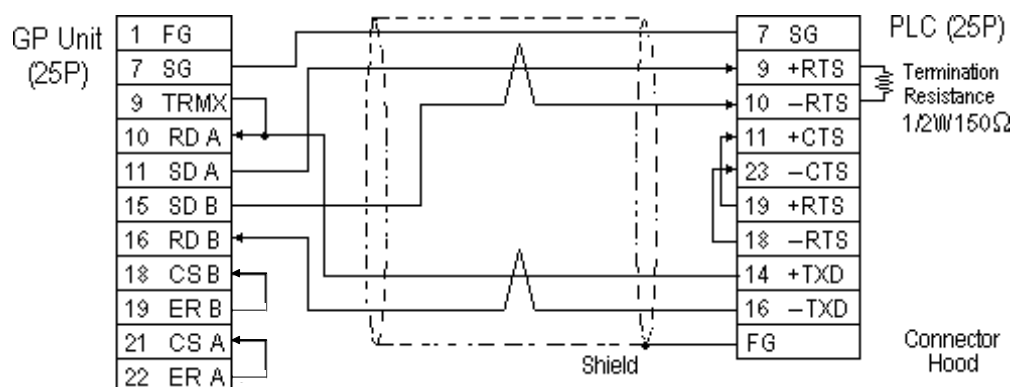
- When using Digital's RS-422 connector terminal adapter GP070-CN10-0



- When using Digital's RS-422 Cable, GP230-IS11-0

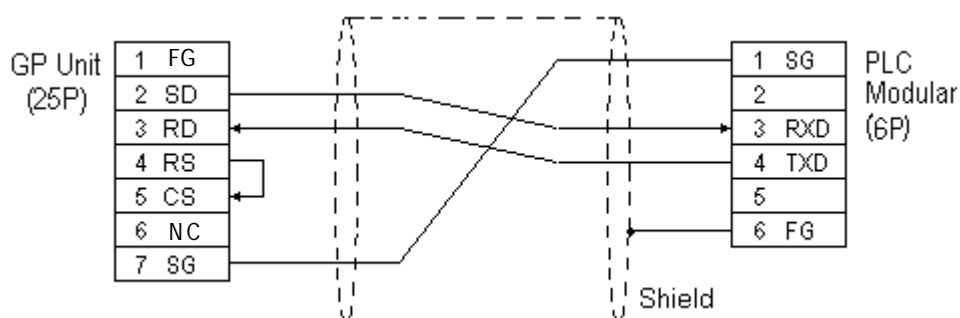


- When making your own cable connections



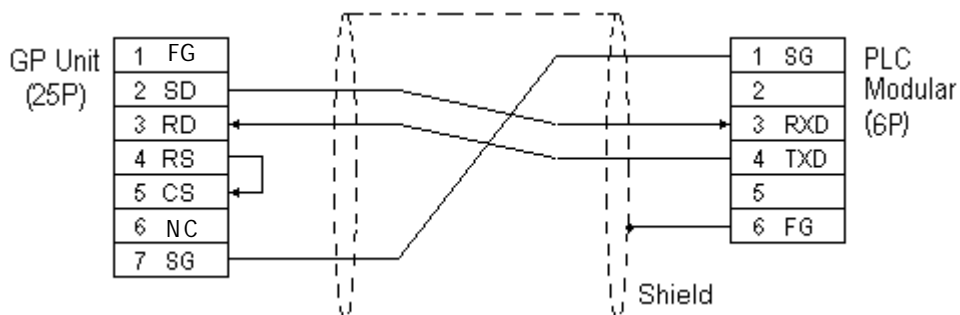
- When making your own connections, we recommend using Hitachi Densen's CO-SPEV-SB(A)3P\*0.3SQ cable.
- When connecting the #9 and #10 pins in the GP Serial I/F, a termination resistance of 100Ω is added between RDA and RDB.
- When using RS-422 connection, the cable length must not be any longer than 600 meters.

Cable Diagram 4 (RS-232C)

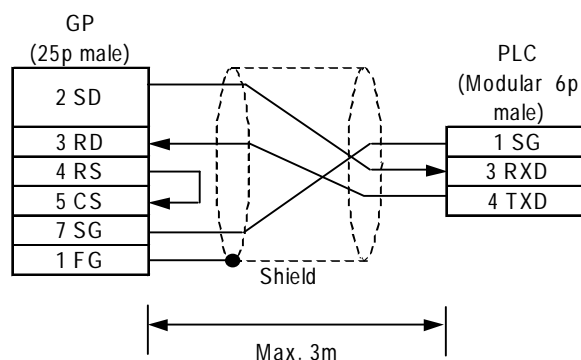


The GP connection uses SZ-4's Port 2 (generic SIO port). Port 1 is the program communication port (Programming Console S-20P).

Cable Diagram 5 (RS-232C)



The GP connection uses D2-240's Port 2 (generic SIO port). Port 1 is the program communication port.

**Cable Diagram 6 (RS-232C)****2.12.3 Supported Devices**

The following describes the range of devices supported by the GP.

**KOSTAC SG Series**

  Setup System Area here.

Device	Bit Address	Word Address	Particulars	
Input Relay	I0000 ~ I1777	R40400 ~ R40477	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	L/H
Output Relay	Q0000 ~ Q1777	R40500 ~ R40577	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Control Relay	M0000 ~ M3777	R40600 ~ R40777	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Stage	S0000 ~ S1777	R41000 ~ R41077	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Link Relay (input)	GI0000 ~ GI3777	R40000 ~ R40177	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Specified Transfer Relay (output)	GQ0000 ~ GQ3777	R40200 ~ R40377	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer (contact)	T000 ~ T377	R41100 ~ R41117	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Counter (contact)	C000 ~ C377	R41140 ~ R41157	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer (elapsed time)	---	R0000 ~ R0377	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Counter (elapsed value)	---	R1000 ~ R1377	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Variable Memory 1	---	R400 ~ R777	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit</span> <span style="border: 1px solid black; padding: 2px;">5</span>	
Variable Memory 2	---	R1400 ~ R7377	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit</span> <span style="border: 1px solid black; padding: 2px;">5</span>	
Variable Memory 3	---	R10000 ~ R37777	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit</span> <span style="border: 1px solid black; padding: 2px;">5</span>	



### ■ KOSTAC SU Series

Setup System Area here.

Device	Bit Address	Word Address	Particulars	
Input Relay	I000 ~ I477	R40400 ~ R40423	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	L/H
Output Relay	Q000 ~ Q477	R40500 ~ R40523	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Control Relay	M0000 ~ M1777	R40600 ~ R40677	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Stage	S0000 ~ S1777	R41000 ~ R41077	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Link Relay/Link Input	GI0000 ~ GI1777	R40000 ~ R40077	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Special Relay	SP000 ~ SP137 SP320 ~ SP717	R41200 ~ R41205 R41215 ~ R41234	<span style="border: 1px solid black; padding: 2px;">OCT 8</span> <sup>*1</sup>	
Timer (contact)	T000 ~ T377	R41100 ~ R41117	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Counter (contact)	C000 ~ C177	R41140 ~ R41157	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Timer (elapsed time)	---	R0000 ~ R0377	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Counter (elapsed value)	---	R1000 ~ R1177	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Data Register	---	R1400 ~ R7377	<span style="border: 1px solid black; padding: 2px;">OCT 8</span> <span style="border: 1px solid black; padding: 2px;">Bit 1 5</span>	
Special Register	---	R700 ~ R737 R7400 ~ R7777	<span style="border: 1px solid black; padding: 2px;">OCT 8</span> <span style="border: 1px solid black; padding: 2px;">Bit 1 5</span> <sup>*1</sup>	
Expanded Register	---	R10000 ~ R17777	<span style="border: 1px solid black; padding: 2px;">OCT 8</span> <span style="border: 1px solid black; padding: 2px;">Bit 1 5</span> <sup>*2</sup>	

\* 1 Only the SU-6B will check connections (Only the SU-6B can use special registers R700 to R737), however it cannot write data.

\*2 Only the SU-6B can be used.

### ■ KOSTAC SZ Series

Setup System Area here.

Device	Bit Address	Word Address	Particulars	
Input Relay	I000 ~ I0477	R40400 ~ R40423	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	L/H
Output Relay	Q0000 ~ Q0477	R40500 ~ R40523	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Control Relay	M0000 ~ Q0377	R40600 ~ R40617	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Stage	---	R41000 ~ R41037	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Timer (contact)	T000 ~ T177	R41100 ~ R41107	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Counter (contact)	C000 ~ C177	R41140 ~ R41147	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Timer (elapsed time)	---	R0000 ~ R0177	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Counter (elapsed value)	---	R1000 ~ R1177	<span style="border: 1px solid black; padding: 2px;">OCT 8</span>	
Variable Memory 2	---	R2000 ~ R3777	<span style="border: 1px solid black; padding: 2px;">OCT 8</span> <span style="border: 1px solid black; padding: 2px;">Bit 1 5</span>	

## ■ KOSTAC SR Series

   Setup System Area here.

Device	Bit Address	Word Address	Particulars	
Input/Output	000 ~ 157 700 ~ 767	R000 ~ R014 R070	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	L/H
Control Relay	160 ~ 377 770 ~ 777	R016 ~ R036 R076	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Shift Register	400 ~ 577	R040 ~ R056	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer/Counter (contact)	600 ~ 677	R060 ~ R066	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer/Counter (elapsed value)	---	R600 ~ R677	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Data Register	---	R400 ~ R577	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit 5</span> <span style="border: 1px solid black; padding: 2px;">÷2</span>	



Cannot perform only bit write operations. Use byte units to perform bit write operations, where all other bits besides the selected bit, are cleared to 0.











## ■ DL-405 Series

   Setup System Area here.

Device	Bit Address	Word Address	Particulars	
Input Relay	X000 ~ X477	V40400 ~ V40423	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	L/H
Output Relay	Y000 ~ Y477	V40500 ~ V40523	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Internal Relay	C0000 ~ C1777	V40600 ~ V40677	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Stage	S0000 ~ S1777	V41000 ~ V41077	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Link Relay/Link Input	GX0000 ~ GX1777	V40000 ~ V40077	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Special Relay	SP000 ~ SP137 SP320 ~ SP717	V41200 ~ V41205 V41215 ~ V41234	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer (contact)	T000 ~ T377	V41100 ~ V41117	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Counter (contact)	CT000 ~ CT177	V41140 ~ V41147	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Timer (elapsed time)	---	V0000 ~ V0377	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Counter (elapsed value)	---	V1000 ~ V1177	<span style="border: 1px solid black; padding: 2px;">OCT8</span>	
Data Register	---	V1400 ~ V7377	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit 5</span>	
Special Register	---	V7400 ~ V7777	<span style="border: 1px solid black; padding: 2px;">OCT8</span> <span style="border: 1px solid black; padding: 2px;">Bit 5</span>	

## ■ DL-205 Series









 Setup System Area here.

Device	Bit Address	Word Address	Particulars
Input Relay	X0000 ~ X0477	V40400 ~ V40423	
Output Relay	Y0000 ~ Y0477	V40500 ~ V40523	
Control Relay	C0000 ~ C0377	V40600 ~ V40617	
Stage	---	V41000 ~ V41037	
Timer (contact)	T000 ~ 177	V41100 ~ V41107	
Counter (contact)	CT000 ~ CT177	V41140 ~ V41147	
Timer (elapsed time)	---	V0000 ~ V0177	
Counter (elapsed value)	---	V1000 ~ V1177	
Variable Memory 2	---	V2000 ~ V3777	  51

L/H

## ■ DL-305 Series

 Setup System Area here.

Device	Bit Address	Word Address	Particulars
Input/Output	000 ~ 157 700 ~ 767	V000 ~ V014 V070	
Control Relay	160 ~ 377 770 ~ 777	V016 ~ V036 V076	
Shift Register	400 ~ 577	V040 ~ V056	
Timer/Counter (contact)	600 ~ 677	V060 ~ V066	
Timer/Counter (elapsed value)	---	V600 ~ V677	
Data Register	---	V400 ~ V577	  51 

L/H

## ■ Direct Logic 05 Series

Device	Bit Address	Word Address	Particulars
Input Relay	I0000 ~ I0377	R40400 ~ R40417	*1
Output Relay	Q0000 ~ Q0377	R40500 ~ R40517	*1
Internal Relay	M0000 ~ M0777	R40600 ~ R40637	*1
Stage	S0000 ~ S0377	R41000 ~ R41017	*1
Special Relay	SP0000 ~ SP0777	R41200 ~ R41237	*1
Timer (status bit)	T000 ~ T177	R41100 ~ R41147	*1
Counter (status bit)	C000 ~ C177	R41140 ~ R41147	*1
Timer (elapsed time)	---	R0000 ~ R0177	*1
Counter (calculate)	---	R1000 ~ R1177	*1
V-Memory	---	R1200 ~ R7377	*1 *3
V-Memory (non-volatile)	---	R7400 ~ R7577	*1 *2
System Parameter	---	R7600 ~ R7777	*1 *2

L/H

\*1 Octal data address.

\*2 Bit-type address.

\*3 R1200 to R1377 cannot be designated using bits. (R1400 - R7377 can.)

**2.12.4 Environment Setup**

The following tables list Digital's recommended PLC and GP communication settings.

**■ KOSTAC SG Series (using Upper Link I/F)**

GP Setup		Upper Link Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits	---	
Stop Bit	1 bit	---	
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format (RS-232C)	RS-232C	---	
Communication Format (RS-422)	4-wire type	---	
---		Master/Slave Setup	Slave
---		Transfer Mode	Hex
Unit No.	1	Station Number	1

**■ KOSTAC SG Series (using General SIO Port)**

GP Setup		Generic SIO Port Setup	
Baud Rate	19200 bps (fixed)	Baud Rate	19200 bps (fixed)
Data Length	8 bits (fixed)	Data Length	8 bits (fixed)
Stop Bit	1 bit (fixed)	Stop Bit	1 bit (fixed)
Parity Bit	Odd (fixed)	Parity Bit	Odd (fixed)
Data Flow Control	ER Control	---	
Communication Format (RS-232C)	RS-232C	Communication Format (RS-232C)	Dipswitch 1 (CCM SIO Port) is ON
Communication Format (RS-422)	4-wire type	Communication Format (RS-422)	Dipswitch 4 (CCM SIO Port) is Off
---		Transfer Mode <sup>*1</sup>	Hex
Unit No.	1	CCM Number <sup>*1</sup>	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

**■ KOSTAC SU Series (using Upper Link I/F)**

GP Setup		Generic Link Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits (fixed)	---	
Stop Bit	1 bit (fixed)	---	
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
Unit No.	1	Station Number	1

### ■ KOSTAC SU Series (using General SIO Port)

GP Setup		Generic SIO Port Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits (fixed)	---	
Stop Bit	1 bit (fixed)	---	
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format (RS-232C)	RS-232C	---	
Communication Format (RS-422)	4-wire type	---	
---		Data Format <sup>*1</sup>	Hex
Unit No.	1	Station Number	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

### ■ KOSTAC SZ Series

GP Setup		Generic SIO Port Setup	
Baud Rate	9600 bps	Baud Rate	9600 bps
Data Length	8 bits	Data Length	8 bits
Stop Bit	1 bit	Stop Bit	1 bit
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
---		Data Format <sup>*1</sup>	Hex
Unit No.	1	Station Number	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

### ■ KOSTAC SR Series

GP Setup		CPU Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits	---	
Stop Bit	1 bit	---	
Parity Bit	None	Parity Bit	None
Data Flow Control	ER Control	---	
Communication Format	4-line	---	
---		Turn Around Relay	No delay
---		Power Up Mode	RUN mode
---		Transmission Mode	Hex
Unit No.	1	Station Number	1

### ■ DL405 Series (using Upper Link I/F)

GP Setup		Upper Link Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits (fixed)	---	
Stop Bit	1 bit (fixed)	---	
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
Unit No.	1	Station Number	1

### ■ DL-405 Series (using General SIO Port)

GP Setup		Generic SIO Port Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits (fixed)	---	
Stop Bit	1 bit (fixed)	---	
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format (RS-232C)	RS-232C	---	
Communication Format (RS-422)	4-wire type	---	
---		Data Format <sup>*1</sup>	Hex
Unit No.	1	Station Number	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

### ■ DL-205 Series

GP Setup		Generic SIO Port Setup	
Baud Rate	9600 bps	Baud Rate	9600 bps
Data Length	8 bits	Data Length	8 bits
Stop Bit	1 bit	Stop Bit	1 bit
Parity Bit	Odd	Parity Bit	Odd
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
---		Data Format <sup>*1</sup>	Hex
Unit No.	1	Station Number	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

### ■ DL-305 Series

GP Setup		CPU Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits	---	
Stop Bit	1 bit	---	
Parity Bit	None	Parity Bit	None
Data Flow Control	ER Control	---	
Communication Format	4-wire type	---	
---		Turn Around Relay	No delay
---		Power Up Mode	RUN mode
---		Data Format <sup>*1</sup>	Hex
Unit No.	1	Station Number	1

*\*1 Turn Dip Switch 2 (CCM Station No.) OFF, and run Transfer mode and CCM Station Number setup with the programmer. Communication will not occur when Dip Switch 2 is ON and the transfer Mode is not designated as Hex.*

### ■ Direct Logic 05 Series

GP Setup		CPU Module Setup	
Baud Rate	19200 bps	Baud Rate	19200 bps
Data Length	8 bits	Data Length	8 bits
Stop Bit	1 bit	Stop Bit	1 bit
Parity Bit	odd	Parity Bit	odd
Data Flow Control	ER Control	---	
Communication Format	RS-232C	---	
---		Protocol	CCM2 (CCM Net)
---		Data Transfer Mode	HEX
Unit No.	1	Station Number	1

*\*1 The Baud Rate setting is for PORT2 only. PORT1 is fixed at 9600bps.*