

Chapter 9 Analog function block libraries

9. Analog function block libraries

Describes respective analog function block library

Note

Note 1), Note 2) and Note 3) are described as below.

Content	Description
Note 1)	The element number of array is same to channel(loop) number.
Note 2)	If the function block execution request (REQ) is on, the output variable value changes to new value of every scan and if the function block execution request (REQ) is off, it holds previous value.
Note 3)	<ol style="list-style-type: none">1) The element number of array is same to channel(loop) number.2) If the function block execution request (REQ) is on, the output variable value changes to new value of every scan and if REQ is off, it holds previous value.

AD2ARD

Read G4F-AD2A conversion value(ARRAY type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
 [] : Indicate ARRAY variable and number in the parenthesis is the element number.	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G4F-AD2A module installation base location number SLOT : Slot location number of G4F-AD2A module installation base Note 1) CH : Assign the channel to read A/D conversion data. Assign the respective element value to '1' for channel. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'. Note 3) DATA : A/D conversion data. Data range is 0~16000 or -8000~ +8000 according to the module initialization assign.

Function

As G4F-AD2A module initialization function block(AD2INI), operate G4F-AD2A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

Program example

LD	IL
	<pre> CAL AD2ARD AD_RD REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH LD AD_RD.DONE %Q0.1.0 ST AD_RD.STAT STAT LD AD_RD.ACT ACT ST AD_RD.DATA DATA </pre>

AD2ARD

Read G5F-AD2A conversion value(ARRAY type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable					●

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request MODL : Location number of G5F-AD2A module CH : Assign the channel to read A/D conversion data. Assign the respective element value to '1' for channel. <p>Note 1)</p> <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'. DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign. <p>Note 2)</p> <p>Note 3)</p> <p>Note 4)</p> <p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>

■ Function

As G5F-AD2A module initialization function block(AD2INI), operate G5F-AD2A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

■ Program example

LD	IL
	<pre> CAL AD2ARD AD_RD REQ := %I0.0 MODL := MODL CH := CH AD_RD.DONE LD STAT %Q 0.1.0 LD AD_RD.STAT ST STAT LD AD_RD.ACT ST ACT LD AD_RD.DATA ST DATA </pre>

AD2INI

G4F-AD2A Module initialization	Product	GM1	GM2	GM3	GM4	GM5
Applicable					●	

Function block	Description	
<pre> graph LR REQ[REQ] --> AD2INI[AD2INI] BASE[BASE] --> AD2INI SLOT[SLOT] --> AD2INI CH[CH] --> AD2INI DATATYPE[DATATYPE] --> AD2INI FILTEN[FILT_EN] --> AD2INI FILTVAL[FILT_VAL] --> AD2INI AVGEN[AVG_EN] --> AD2INI AVGSEL[AVG_SEL] --> AD2INI NUMTIME[NUM_TIME] --> AD2INI AD2INI -- DONE --> DONE[DONE] AD2INI -- STAT --> STAT[STAT] AD2INI -- ACT --> ACT[ACT] </pre>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge BASE : G4F-AD2A module installation base location number SLOT : Slot location number of G4F-AD2A module installation base CH : Assign the channel to be used. Assign the respective element value to '1' for each channel. Note 1) DATATYPE: Assign the range of conversion data for each channel. ('0': 0 ~ 16000, '1': -8000 ~ +8000) Note 1) FILT_EN : Define the use of digital filter. ('0': Not used. '1': Used) Note 1) FILT_VAL : Set the filter constant during using the digital filter. Setting range: 1 ~ 99 Note 1) AVG_EN : Define the use of average process. ('0': Not used. '1': Used) Note 1) AVG_SEL : Define the process method during using the average process. ('0': Number average process. '1': Time verage process) NUM/TIME : Set the number(Times) or time(mS) according to the process method assigned at AVG_SEL. (Average number range: 2~4000 times) (Average time range: 40~20000 mS) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. Note 1) ACT : Channel display that initialized after completing the function block. The element value of the initialized channel will be '1'. 	

[] : Indicate ARRAY variable and number in the parenthesis is the element number.

Function

Set the preset value for each channel and arrange the operation to operate G4F-AD2A module.

Program example

LD	IL
<pre> LD %I0.0 --> AD2INI[AD2INI] AD2INI -- DONE --> %Q0.1.0 AD2INI -- STAT --> STAT[STAT] AD2INI -- ACT --> ACT[ACT] </pre>	<pre> CAL AD2INI REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH DATATYPE := DATA_TYPE FILT_EN := FILT_EN FILT_VAL := FILT_VAL AVG_EN := AVG_EN AVG_SEL := AVG_SEL NUM/TIME := NUM_TIME AD2INI.DONE %Q0.1.0 AD2INI.STAT STAT AD2INI.ACT ACT </pre>

AD2INI

G5F-AD2A Module initialization

Product	GM1	GM2	GM3	GM4	GM5
Applicable					●

Function block	Description
<pre> graph LR REQ[REQ] --- IN1[MODL] REQ --- IN2[CH] REQ --- IN3[DATATYPE] REQ --- IN4[FILT_EN] REQ --- IN5[FILT_VAL] REQ --- IN6[AVG_EN] REQ --- IN7[AVG_SEL] REQ --- IN8[NUM_TIME] IN1 --- OUT1[DONE] IN2 --- OUT2[STAT] IN3 --- OUT3[ACT] </pre>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge MODL : G5F-AD2A module location number Note 1) CH : Assign the channel to be used. Note 1) DATATYPE : Assign the range of conversion data for each channel. ('0': 0 ~ 16000, '1': -8000 ~ +8000) Note 1) FILT_EN : Define the use of digital filter. ('0': Not used. '1': Used) Note 1) FILT_VAL : Set the filter constant during using the digital filter. (Setting range: 1 ~ 99) Note 1) AVG_EN : Define the use of average process. ('0': Not used. '1': Used) Note 1) AVG_SEL : Define the process method during using the average process. ('0': Number average process. '1': Time average process) NUM/TIME : Set the number(Times) or time(mS) according to the process method assigned at AVG_SEL. (Average number range: 2~4000 times) (Average time range: 40~20000 mS) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. ACT : Channel display that initialized after completing the function block. The element value of the initialized channel will be '1'. <p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>

Function

Set the preset value for each channel and arrange the operation to operate G5F-AD2A module.

Program example

LD	IL
<pre> LD %I0.0.0 --- AD_INI[AD2INI] AD_INI --- REQ AD_INI --- MODL AD_INI --- CH AD_INI --- DATATYPE AD_INI --- FILT_EN AD_INI --- FILT_VAL AD_INI --- AVG_EN AD_INI --- AVG_SEL AD_INI --- NUM_TIME AD_INI --- DONE --- %Q0.1.0 </pre>	<pre> IL CAL AD2INI REQ := %I0.0.0 MODL := MODL CH := CH DATATYPE := DATA_TYPE FILT_EN := FILT_EN FILT_VAL := FILT_VAL AVG_EN := AVG_EN AVG_SEL := AVG_SEL NUM/TIME := NUM_TIME AD_INI.DONE %Q0.1.0 AD_INI.STAT STAT AD_INI.ACT ACT </pre>

AD2RD

Read G4F-AD2A conversion value(Single type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G4F-AD2A module installation base location number SLOT : Slot location number of G4F-AD2A module installation base CH : Assign the channel to read A/D conversion data. (Preset range: 0 ~ 3) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. Note 2) DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.

Function

As G4F-AD2A module initialization function block(AD2INI), operate G4F-AD2A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

Program example

LD	IL
	<pre> CAL AD2RD AD_RD REQ := %I0.0 BASE := BASE SLOT := SLOT CH := CH LD AD_RD.DONE ST %Q0.1.0 LD AD_RD.STAT ST STAT LD AD_RD.DATA ST DATA </pre>

AD2RD

Read G5F-AD2A conversion value(Single type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable					●

Function block	Description
<pre> graph LR subgraph FB [AD2RD] direction TB R[REQ] --- FB M1[MODL] --- FB C[CH] --- FB D[DONE] S1[STAT] D2[DATA] FB --- D FB --- S1 FB --- D2 end </pre>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request MODL : G5F-AD2A module location number CH : Assign the channel to read A/D conversion data. (Preset range: 0 ~ 3) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign. <p><small>Note 2) STAT : Error status during the function block execution.</small></p> <p><small>Note 2) DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.</small></p>

■ Function

As G5F-AD2A module initialization function block(AD2INI), operate G5F-AD2A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

■ Program example

LD	IL
<pre> graph LR I1[%I0.0.0] --- R1[REQ] R1 --- FB1[AD2RD] M1[MODL] --- FB1 C1[CH] --- FB1 FB1 --- D1[DONE] D1 --- O1[%Q0.1.0] </pre>	<pre> CAL AD2RD AD_RD REQ := %I0.0.0 MODL := MODL CH := CH LD AD_RD.DONE ST %Q0.1.0 LD AD_RD.STAT ST STAT LD AD_RD.DATA ST DATA </pre>

AD4ARD

Read G3F-AD4A conversion value(Array type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G3F-AD4A module installation base location number SLOT : Slot location number of G3F-AD4A module installation base Note 1) CH : Assign the channel to read A/D conversion data. Assign the respective element value to '1' for channel. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. Note 3) ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'. Note 3) DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.

Function

As G3F-AD4A module initialization function block(AD4INI), operate G3F-AD4A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

Program example

LD	IL
<pre> LD %I0.0.0 --> AD_RD AD_RD: AD4ARD AD_RD: REQ = %I0.0.0 AD_RD: BASE = BASE AD_RD: SLOT = SLOT AD_RD: CH = CH AD_RD: DONE --> %Q0.1.0 </pre>	<pre> CAL AD4ARD AD_RD REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH LD AD_RD.DONE ST %Q0.1.0 LD AD_RD.STAT ST STAT LD AD_RD.ACT ST ACT LD AD_RD.DATA ST DATA </pre>

AD4INI

G3F-AD4A Module initialization

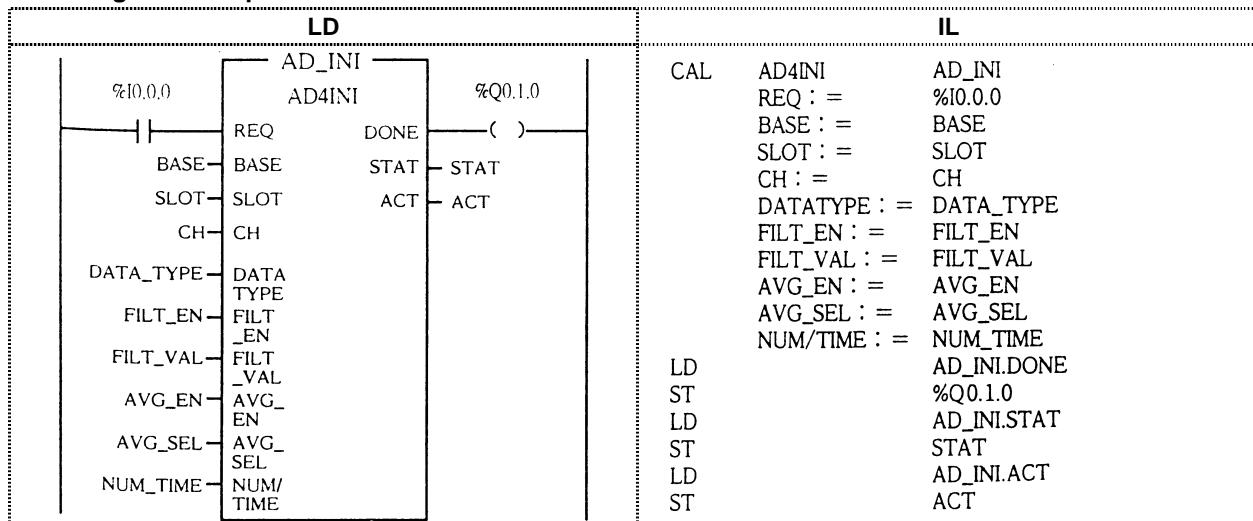
Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block		Description	
BOOL	REQ	DONE	BOOL
USINT	BASE	STAT	USINT
USINT	SLOT	ACT	BOOL[16]
BOOL[16]	CH		
BOOL[16]	DATA_TYPE		
*BOOL[4]	FILT_EN		
*USINT[4]	FILT_VAL		
*BOOL[4]	AVG_EN		
*BOOL[4]	AVG_SEL		
*UINT[4]	NUM/TIME		
[] : Indicate ARRAY variable and number in the parenthesis is the element number.			
(Note)* : Element number of array and the channel configuration is as below.			
Element Number [0]: Channel 0,1,2,3 batch assignment		Input	
Element Number [1]: Channel 4,5,6,7 batch assignment		REQ	BASE
Element Number [2]: Channel 8,9,10,11 batch assignment		SLOT	Note 1) CH
Element Number [3]: Channel 12,13,14,15 batch assignment		Note 1) DATATYPE	: Function block execution request at rising edge : G3F-AD4A module installation base location number
		FILT_EN	: Slot location number of G3F-AD4A module installation base
		FILT_VAL	Note 1) : Assign the channel to be used. Assign the respective element value to '1' for channel.
		AVG_EN	Note 1) DATATYPE: Assign the range of conversion data for each channel. ('0': 0 ~ 16000, '1': -8000 ~ +8000)
		AVG_SEL	FILT_EN : Define the use of digital filter. ('0': Not used, '1': Used)
		AVG_SEL	FILT_VAL : Set the filter constant during using the digital filter. (Setting range: 1 ~ 99) Refer to (Note) for element number of array and channel number configuration.
		NUM/TIME	AVG_EN : Define the use of average process. ('0': Not used, '1': Used) Refer to (Note) for element number of array and channel number configuration.
		Output	AVG_SEL : Define the process method during using the average process. ('0': Number average process, '1': Time average process) Refer to (Note) for element number of array and channel number configuration.
		DONE	NUM/TIME : Set the number(Times) or time(mS) according to the process method assigned at AVG_SEL. (Average number range: 2~4000 times) (Average time range: 96~12000 mS)
		STAT	DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated.
		ACT	STAT : Error status during the function block execution. ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'.

Function

Set the preset value for each channel and arrange the operation to operate G3F-AD4A module.

Program example



AD4RD

Read G3F-AD4A conversion value(Single type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G3F-AD4A module installation base location number SLOT : Slot location number of G3F-AD4A module installation base CH : Assign the channel to read A/D conversion data. (Preset range: 0 ~ 15) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.

Function

As G3F-AD4A module initialization function block(AD4INI), operate G3F-AD4A module and assign the channel to read A/D conversion data and read A/D conversion data of each channel.

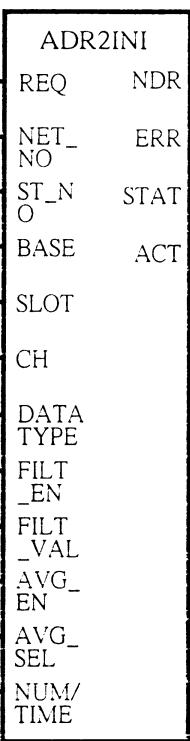
Program example

LD	IL
	<pre> CAL AD4RD AD_RD REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH LD AD_RD.DONE ST %Q0.1.0 LD AD_RD.STAT ST STAT LD AD_RD.DATA ST DATA </pre>

ADR2INI

G4F-AD2A Module initialization(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description	
		
REQ	Input	REQ : Function block execution request at rising edge
NET_NO		NET_NO : Slot location number(0~7) installed the communication module of local station(G4L-FUEA, G4L-FUOA) to send the function block
ST_NO		ST_NO : Prefix number(0~63) of communication module(G4L-RBEA, G4L-RBOA) installed at remote I/O station
BASE		BASE : G4F-AD2A module installation base location number
SLOT		SLOT : Slot location number of G4F-AD2A module installation base
CH	Note 1)	CH : Assign the channel to be used. Set '1' for respective element value for channel setting.
DATA_TYPE		DATATYPE: Assign the range of conversion data for each channel. ('0': 0 ~ 16000, '1': -8000 ~ +8000)
FILT_EN		FILT_EN : Define the use of digital filter. ('0': Not used, '1': Used)
FILT_VAL		FILT_VAL : Set the filter constant during using the digital filter. Setting range: 1 ~ 99
AVG_EN		AVG_EN : Define the use of average process. ('0': Not used, '1': Used)
AVG_SEL		AVG_SEL : Define the process method during using the average process. ('0': Number average process. '1': Time average process)
NUM/TIME		NUM/TIME : Set the number(Times) or time(mS) according to the process method assigned at AVG_SEL. (Average number range: 2~4000 times) (Average time range: 40~20000 mS)
NDR	Output	NDR : On if the function block is executed without error and Off at next SCAN
ERR		ERR : On when the error occurs during executing the function block.
STAT		STAT : Error status display during the function block execution.
ACT	Note 1)	ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'.

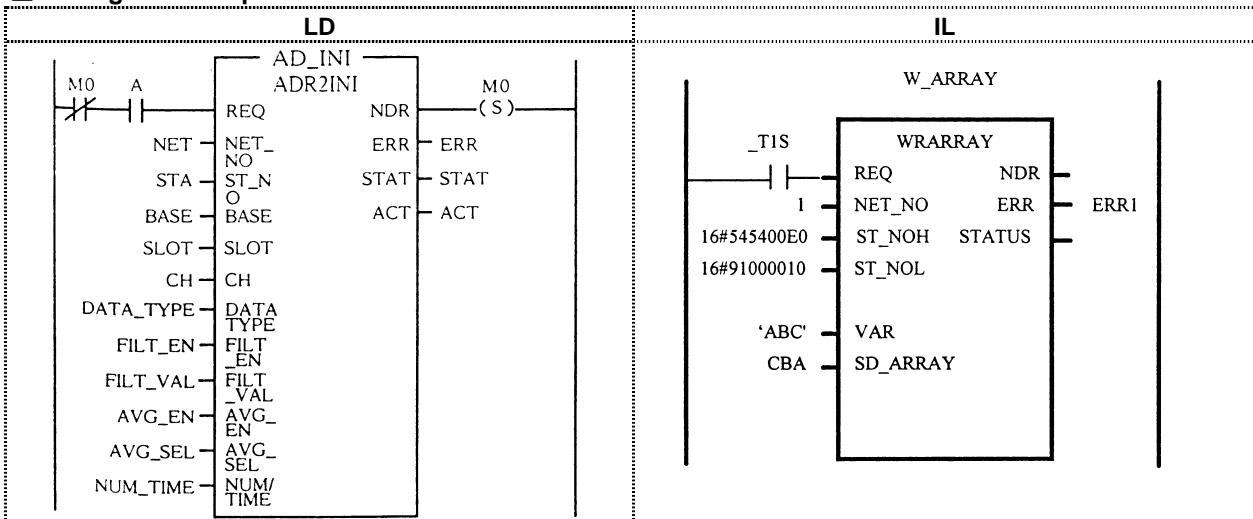
[] : Indicate ARRAY variable and number in the parenthesis is the element number.

Function

Assign the preset value for each channel and arrange the operation to operate G4F-AD2A module installed at Remote.

Note The execution request response speed of remote function block(ADR2INI) relates to the remote (communication module) station number(Refer to remote manual). When NDR output of remote function block(ADR2INI) is on, the input preset value is sent to G4F-AD2A module.

Program example



ADR2RD

Read G4F-AD2A conversion value(Remote type)	Product	GM1	GM2	GM3	GM4	GM5
	Applicable				●	

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G4L-FUEA, G4L-FUOA) to send the function block ST_NO : Prefix number(0~63) of communication module(G4L-RBEA, G4L-RBOA) installed at remote I/O station BASE : G4F-AD2A module installation base location number SLOT : Slot location number of G4F-AD2A module installation base Note 1) CH : Assign the channel to be used. Set '1' for respective element value for channel setting. <p>Output</p> <ul style="list-style-type: none"> NDR : On if the function block is executed without error and Off at next SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note1) ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'. Note1) DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.

Function

Read A/D conversion data of G4F-AD2A module installed at remote.

- Note** The execution request response speed of remote function block(ADR2RD) relates to the remote (communication module) station number(Refer to remote manual). NDR output contact of remote module initialization function block(ADR2INI) shall be used as REQ input condition when remote function block(ADR2RD) is used. Output contents(ERR, STAT...) of remote function block(ADR2RD) is changed to new value when NDR output contact(ADR2RD) is on.

Program example

LD	IL
	<pre> LD M0 ANDN B ST RD_REQ CAL ADR2RD REQ := RD_REQ NET_NO := NET_NO ST_NO := ST_NO BASE := BASE SLOT := SLOT CH := CH LD AD_RD.NDR ST B LD AD_RD.ERR ST ERR LD AD_RD.STAT ST STAT LD AD_RD.ACT ST ACT LD AD_RD.DATA ST DATA </pre>

ADR4INI

G3F-AD4A Module initialization(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

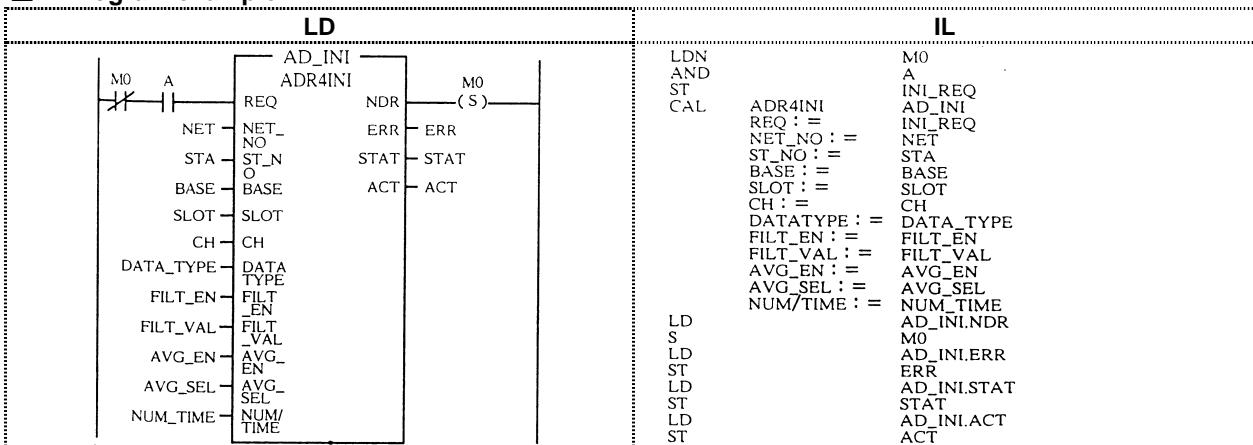
Function block	Description	
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number. (Note)* : Element number of array and the channel configuration is as below. Element Number [0]: Channel 0,1,2,3 batch assignment Element Number [1]: Channel 4,5,6,7 batch assignment Element Number [2]: Channel 8,9,10,11 batch assignment Element Number [3]: Channel 12,13,14,15 batch assignment</p>	Input REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G3L-FUEA, G3L-FUOA) to send the function block STA_NO : Prefix number(0~63) of communication module(G3L-RBEA, G3L-RBOA) installed at remote I/O station BASE : G3F-AD4A module installation base location number SLOT : Slot location number of G3F-AD4A module installation base Note 1) CH : Assign the channel to be used. Set '1' for respective element value for channel setting. DATATYPE : Assign the range of conversion data for each channel. ('0': 0 ~ 16000, '1': -8000 ~ +8000) FILT_EN : Define the use of digital filter. ('0': Not used. '1': Used) Refer to (Note) for element number of array and channel number configuration. FILT_VAL : Set the filter constant during using the digital filter. (Setting range: 1 ~ 99) Refer to (Note) for element number of array and channel number configuration. AVG_EN : Define the use of average process. ('0': Not used. '1': Used) Refer to (Note) for element number of array and channel number configuration. AVG_SEL : Define the process method during using the average process. ('0': Number average process. '1': Time) Refer to (Note) for element number of array and channel number configuration. AVG_SEL : Define the process method during using the average process. ('0': Number average process. '1': Time) Refer to (Note) for element number of array and channel number configuration. NUM/TIME : Set the number(Times) or time(mS) according to the process method assigned at AVG_SEL. (Average number range: 2~4000 times) (Average time range: 96~12000 mS)	Output NDR : On if the function block is executed without error and Off at next SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'.

Function

Assign the preset value for each channel and arrange the operation to operate G3F-AD4A module installed at Remote.

Note The execution request response speed of remote function block(ADR4INI) relates to the remote(communication module) station number.(Refer to remote manual) When NDR output of remote function block(ADR4INI) is on, the input preset value is input to G3F-AD4A module.

Program example



ADR4RD

Read G3F-AD4A conversion value(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G3L-FUEA, G3L-FUOA) to send the function block SET_NO : Prefix number(0~63) of communication module (G3L - RBEA, G3L-RBOA) installed at remote I/O station BASE : G3F-AD4A module installation base location number SLOT : Slot location number of G3F-AD4A module installation base Note 1) CH : Assign the channel to be used. Set'1' for respective element value for channel setting. <p>Output</p> <ul style="list-style-type: none"> NDR : On if the function block is executed without error and Off at next SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that read the conversion value after completing the function block. The element value of the channel will be '1'. Note 1) DATA : A/D conversion data. Data range is 0~16000 or -8000~+8000 according to the module initialization assign.

Function

Read A/D conversion data of G3F-AD4A module installed at remote.

Note

The execution request response speed of remote function block(ADR4RD) relates to the remote(communication module) station number(Refer to remote manual). NDR output contact of remote module initialization function block(ADR4INI) shall be used as REQ input condition when remote function block(ADR4RD) is used.

Output contents(ERR, STAT...) of remote function block(ADR4RD) is changed to new value when NDR output contact(ADR4RD) is on.

Program example

LD	IL
<pre> LD ANDN ST CAL AD_RD ADR4RD REQ : = M0 NET_NO : = B ST_NO : = RD_REQ BASE : = AD_RD SLOT : = AD_RD CH : = RD_REQ NDR : = AD_RD.NDR ERR : = AD_RD.ERR STAT : = AD_RD.STAT ACT : = AD_RD.ACT DATA : = AD_RD.DATA </pre>	<pre> LD ANDN ST CAL AD_RD ADR4RD REQ : = M0 NET_NO : = B ST_NO : = RD_REQ BASE : = AD_RD SLOT : = AD_RD CH : = RD_REQ NDR : = AD_RD.NDR ERR : = AD_RD.ERR STAT : = AD_RD.STAT ACT : = AD_RD.ACT DATA : = AD_RD.DATA </pre>

AT3TON

G4F-AT3A Timer driving

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> IN : Timer driving contact BASE : G4F-AT3A module installation base location number SLOT : Slot location number of G4F-AT3A module installation base TMR : Timer number to be driven(0~7) <p>Output</p> <ul style="list-style-type: none"> Q : Operation contact of the timer (ON delay operation) STAT : Error status display during the function block execution.

■ Function

Drive each timer installed at G4F-AT3A module.

■ Program example

LD	IL
	<pre> CAL AT3TON AT_TON IN : = %I0.0.0 BASE : = BASE SLOT : = SLOT TMR : = TMR LD AT_TON.Q AT_TON.Q ST %Q0.1.0 %Q0.1.0 LD AT_TON.STAT AT_TON.STAT ST STAT STAT </pre>

AT4TON

G3F-AT4A Module Timer driving	Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●			

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> IN : Timer driving contact BASE : G3F-AT4A module installation base location number SLOT : Slot location number of G3F-AT4A module installation base TMR : Timer number to be driven(0~15) <p>Output</p> <ul style="list-style-type: none"> Q : Operation contact of the timer(ON delay operation) STAT : Error status display during the function block execution.

■ Function

Drive each timer installed at G3F-AT4A module.

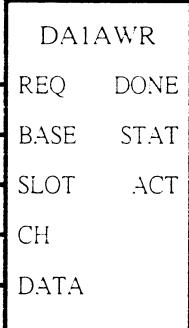
■ Program example

LD	IL
	<pre> CAL AT4TON AT_TON IN : #= %I0.0.0 BASE := BASE SLOT := SLOT TMR := TMR LD AT4TON AT_TON.Q ST %Q0.1.0 LD AT_TON.AT4TON ST STAT STAT </pre>

DA1AWR

G4F-DA1A Input Data write(Array type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G4F-DA1A module installation base location number SLOT : Slot location number of G4F-DA1A module installation base CH : Assign the channel to write input data. Assign '1' of respective element value for channel assignment. Note¹⁾ DATA : Input data of each channel Input range is 0~16000 or -8000~+8000 according to the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'. <p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>

■ Function

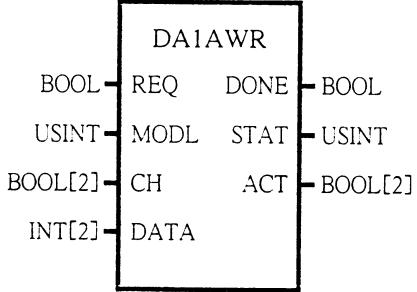
As G4F-DA1A module initialization function block(DA1INI), operate G4F-DA1A module and assign the channel to write D/A conversion data and write D/A conversion data of each channel.

■ Program example

LD		IL	
%I0.0.0	DA_WR DAIAWR	%Q0.1.0	CAL DAIAWR DA_WR REQ := %I0.0.0
BASE	REQ DONE	STAT	BASE := BASE
SLOT	BASE STAT	ACT	SLOT := SLOT
CH	SLOT ACT	ACT	CH := CH
DATA	CH DATA		DATA := DATA
			LD DA_WR.DONE
			ST %Q0.1.0
			LD DA_WR.STAT
			ST STAT
			LD DA_WR.ACT
			ST ACT

DA1AWR

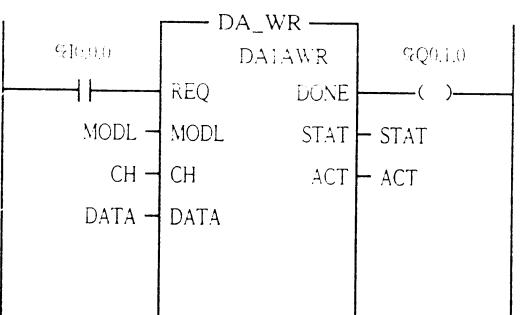
G5F-DA1A Input Data write(Array type)	Product	GM1	GM2	GM3	GM4	GM5
	Applicable					●

Function block	Description
 <p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request MODL : G5F-DA1A module location number Note 1) CH : Assign the channel to write input data. Assign '1' of respective element value for channel assignment. Note 1) DATA : Input data of each channel Input range is 0~16000 or -8000~+8000 according to the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status during the function block execution. Note 3) ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'.

Function

As G5F-DA1A module initialization function block(DA1INI), operate G5F-DA1A module and assign the channel to write D/A conversion data and write D/A conversion data of each channel.

Program example

LD	IL
	<pre> CAL DA1AWR DA_WR REQ` := %I0.0.0 MODL := MODL CH := CH DATA := DATA LD DA_WR.DONE ST %Q0.1.0 LD DA_WR.STAT ST STAT LD DA_WR.ACT ST ACT </pre>

DA1INI

G4F-DA1A module initialization

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge BASE : G4F-DA1A module installation base location number SLOT : Slot location number of G4F-DA1A module installation base Note 1) CH : Assign the channel to write input data. Assign '1' of respective element value for channel assignment. Note 1) DATATYPE: Assign input data range of each channel ('0': 0~16000, '1': -8000 ~ +8000) Note 1) SEL : Select the output value when the channel is not used or GM4-CPUA is stop. ('00': Intermediate value output of output range) ('01': Previous value output) ('02': Max. value output of output range) ('03': Min. value output of output range) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that initialized after completing the function block. The element value of the channel will be '1'.

Function

Arrange the operation by assigning each channel and the preset value(DATATYPE, SEL) for each channel to operate G4F-DA1A module.

Program example

LD	IL
	<pre> CAL DA_INI DA_INI REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH DATATYPE := DATATYPE SEL := SEL DA_INI.DONE := %Q0.1.0 DA_INI.STAT := STAT DA_INI.ACT := ACT </pre>

DA1INI

G5F-DA1A module initialization	Product	GM1	GM2	GM3	GM4	GM5
Applicable						●

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge MODL : G5F-DA1A module location number CH : Assign the channel to write input data. Assign '1' of respective element value for channel assignment. Note 1) DATATYPE : Assign input data range of each channel ('0': 0~16000, '1': -8000 ~ +8000) Note 1) SEL : Select the output value when the channel is not used or GM5-CPUA is stop. ('00': Intermediate value output of output range) ('01': Previous value output) ('02': Max. value output of output range) ('03': Min. value output of output range) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and holds on till next function block execution is requested. However, Off if the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 3) ACT : Channel display that initialized after completing the function block. The element value of the channel will be '1'.

Function

Arrange the operation by assigning each channel and the preset value(DATATYPE, SEL) for each channel to operate G5F-DA1A module.

Program example

LD	IL
	<pre> CAL DA1INI REQ := %I0.0.0 MODL := MODL CH := CH DATATYPE := DATATYPE SEL := SEL LD DA1INI.DONE ST %Q0.1.0 LD DA1INI.STAT ST STAT LD DA1INI.ACT ST ACT </pre>

DA1WR

G4F-DA1A Input Data write(Single type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
<pre> graph LR DA1WR[DA1WR] DA1WR -- REQ --> DA1WR_IN1 DA1WR -- BASE --> DA1WR_IN2 DA1WR -- SLOT --> DA1WR_IN3 DA1WR -- CH --> DA1WR_IN4 DA1WR -- DATA --> DA1WR_IN5 DA1WR -- DONE --> DA1WR_OUT1 </pre>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G4F-DA1A module installation base location number SLOT : Slot location number of G4F-DA1A module installation base CH : Assign the channel to write input data. DATA : Input data of respective channel Input range is 0~16000 or -8000~+8000 according to the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. Note²⁾ STAT : Error status during the function block execution.

■ Function

As G4F-DA1A module initialization function block(DA1INI), operate G4F-DA1A module and assign the channel to write D/A conversion data and write D/A conversion data of respective channel.

■ Program example

LD	IL
<pre> graph LR I00[%I0.0] --> DA1WR_REQ[DA1WR] DA1WR_DONE[DA_WR.DONE] --> C0(()) C0 --> Q010[%Q0.1.0] </pre>	<pre> CAL DA1WR REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH DATA := DATA DA_WR.DONE %Q0.1.0 DA_WR.STAT STAT </pre>

DA1WR

G5F-DA1A Input Data write(Single type)	Product	GM1	GM2	GM3	GM4	GM5
	Applicable					●

Function block	Description
<pre> graph LR J0[] --- REQ DA1WR[DA1WR] J0 --- MODL DA1WR J0 --- CH DA1WR J0 --- DATA DA1WR DA1WR --- DONE J1[] DA1WR --- STAT J2[] DA1WR --- STAT J3[] </pre>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request MODL : G5F-DA1A module location number CH : Assign the channel number to write input data. DATA : Input data of respective channel Input range is 0~16000 or -8000~+8000 according the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated STAT : Error status during the function block execution. <small>Note 2) STAT : Error status during the function block execution.</small>

Function

As G5F-DA1A module initialization function block(DA1INI), operate G5F-DA1A module and assign the channel to write D/A conversion data and write D/A conversion data of respective channel.

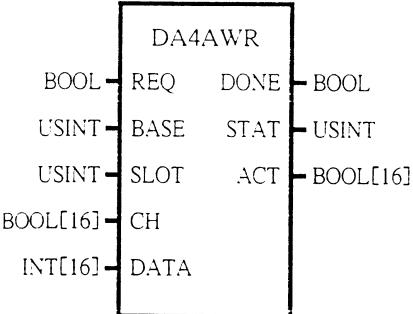
Program example

LD	IL
<pre> graph TD J0[] --> REQ DA1WR1[DA1WR] J0 --- MODL DA1WR1 J0 --- CH DA1WR1 J0 --- DATA DA1WR1 DA1WR1 --- DONE C1(()) C1 --> NC DA1WR2[DA1WR] DA1WR2 --- MODL DA1WR3[DA1WR] DA1WR2 --- CH DA1WR3 DA1WR2 --- DATA DA1WR3 DA1WR3 --- STAT J1[] </pre>	<pre> CAL DA1WR REQ := %J0.0.0 MODL := MODL CH := CH DATA := DATA LD DA_WR.DONE ST %Q0.1.0 LD DA_WR.STAT ST STAT </pre>

DA4AWR

G3F-DA4V, G3F-DA4I module input data write(Array type)

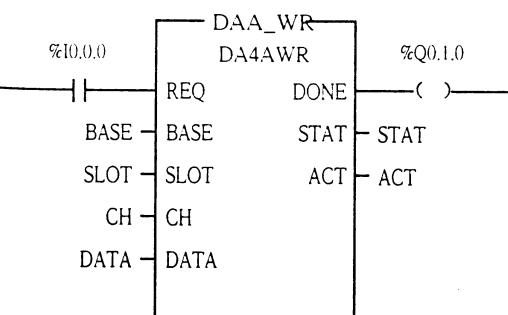
Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
 [] : Indicate ARRAY variable and number in the parenthesis is the element number.	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G3F-DA4V or G3F-DA4I module installation base location number SLOT : Slot location number of G3F-DA4V or G3F-DA4I module installation base <small>Note 1)</small> CH : Assign the channel to write input data. Assign '1' of respective element value for channel assignment. <small>Note 1)</small> DATA : Input data of each channel. Input range is 0~16000 or -8000~8000 according to the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and holds on till next function block execution is requested. However, Off if the error occurs during executing the function block. <small>Note2)</small> STAT : Error status display during the function block execution. <small>Note 3)</small> ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'.

■ Function

As G3F-DA4V or G3F-DA4I module initialization function block(DA4INI), operate G3F-DA4V or G3F-DA4I module and assign the channel to write D/A conversion data and write D/A conversion data of each channel.

■ Program example

LD	IL
	<pre> CAL DA4AWR DAA_WR REQ := %I0.0.0 BASE := BASE SLOT := SLOT CH := CH DATA := DATA LD DAA_WR.DONE ST %Q0.1.0 LD DAA_WR.STAT ST STAT LD DAA_WR.ACT ST ACT </pre>

DA4INI

G3F-DA4V, G3F-DA4I module initialization	Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●			

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge BASE : G3F-DA4V or G3F-DA4I module installation base location number SLOT : Slot location number of G3F-DA4V or G3F-DA4I module installation base CH : Assign the channel to be used Assign '1' of respective element value for channel assignment. Note 1) DATATYPE: Assign input data range of each channel ('0': 0-16000, '1': -8000 ~ +8000) SEL : Select the output value when the channel is not used or G3F-CPUA is at stop status. ('00': Intermediate value output of output range) ('01': Previous value output) ('02': Max. value output of output range) ('03': Min. value output of output range) <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and holds on till next function block execution is requested. However, Off if the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 3) ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'.

■ Function

Assign each channel for each channel to operate G3F-DA4V or G3F-DA4I module.

■ Program example

LD	IL
	<pre> CAL DA4INI REQ := %Q0.0 BASE := BASE SLOT := SLOT CH := CH DATATYPE := DATATYPE SEL := SEL LD DA_INI.DONE ST %Q0.1.0 LD DA_INI.STAT ST STAT LD DA_INI.ACT ST ACT </pre>

DA4WR

G3F-DA4V, G3F-DA4I Input Data write(Single type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request BASE : G3F-DA4V or G3F-DA4I module installation base location number SLOT : Slot location number of G3F-DA4V or G3F-DA4I module installation base CH : Assign the channel number to write input data DATA : Input data of respective channel Input range is 0~16000 or -8000~+8000 according to the module initialization assign. <p>Output</p> <ul style="list-style-type: none"> DONE : On if the function block is executed without error and Off if the error occurs or REQ is not generated. Note²⁾ STAT : Error status during the function block execution.

■ Function

As G3F-DA4V or G3F-DA4I module initialization function block(DA4INI), operate G3F-DA4V or D3F-DA4I module and assign the channel to write D/A conversion data and write D/A conversion data of respective channel.

■ Program example

LD	IL
	<pre> CAL DA4WR DA_WR REQ := %I0.0,0 BASE := BASE SLOT := SLOT CH := CH DATA := DATA DA_WR.DONE %Q0.1,0 DA_WR.STAT STAT LD ST LD ST </pre>

DAR1INI

G4F-DA1A module initialization(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G4L-FUEA, G4L-FUOA) to send the function block SET_NO : Prefix number(0~63) of communication module(G4L-RBEA, G4L-RBOA) installed at remote I/O station BASE : G4F-DA1A module installation base location number SLOT : Slot location number of G4F-DA1A module installation base Note 1) CH : Assign the channel to be used Assign '1' of respective element value for channel assignment. Note 1) DATATYPE: Assign input data range of each channel ('0': 0~16000, '1': -8000 ~ +8000) Note 1) SEL : Select the output value when the channel is not used or maid body is at stop status. ('00': Intermediate value output of output range) ('01': Previous value output) ('02': Max. value output of output range) ('03': Min. value output of output range) <p>Output</p> <ul style="list-style-type: none"> NDR : On if the function block is executed without error and Off at next SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that initialized after completing the function block. The element value of the channel will be '1'.

Function

Assign each channel and preset value(DATATYPE, SEL) for each channel to operate G4F-DA1A module installed at Remote.

Note The execution request response speed of remote function block(DAR1INI) relates to the remote station number(Refer to remote manual). When NDR output of remote function block(DAR1INI) is on, the input preset value is input to G4F-DA1A module.

Program example

LD	IL
	<pre> LDN M0 AND A ST INI_REQ CAL DARIINI REQ := INI_REQ NET_NO := NET_NO ST_NO := ST_NO BASE := BASE SLOT := SLOT CH := CH DATATYPE := DATATYPE SEL := SEL DA_INI.NDR M0 DA_INI.ERR ERR DA_INI.STAT STAT DA_INI.ACT ACT </pre>

DAR1WR

G4F-DA1A Input Data write(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable				●	

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G4L-FUEA, G4L-FUOA) to send the function block ST_NO : Prefix number(0~63) of communication module(G4L-RBEA, G4L-RBOA) installed at remote I/O station BASE : G4F-DA1A module installation base location number SLOT : Slot location number of G4F-DA1A module installation base Note 1) CH : Assign the channel to write input data Assign '1' of respective element value for channel assignment. Note 1) DATA : Input data of each channel Input range is 0 ~ 16000 or -8000 ~ +8000 according to module initialization assignment. <p>Output</p> <ul style="list-style-type: none"> NDR : On if the function block is executed without error and Off at SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'.

Function

As G4F-DA1A module initialization function block(DAR1INI) installed at remote, operate G4F-DA1A module and assign the channel to write D/A conversion data and write D/A conversion data of respective channel.

Note The execution request response speed of remote function block(DAR1WR) relates to the remote station number(Refer to remote manual). When remote function block(DAR1WR) is used, NDR contact among DAR1INI output shall be used for REQ input condition. The output contents(ERR, STAT...) of remote function block(DAR1WR) is changed to new value when NDR contact is on.

Program example

LD	IL
<pre> LD ANDN ST CAL DAR1WR REQ := M0 NET_NO := NET_NO ST_NO := ST_NO BASE := BASE SLOT := SLOT CH := CH DATA := DATA NDR := DA_WR.NDR </pre>	<pre> LD ANDN ST CAL DAR1WR REQ := M0 NET_NO := NET_NO ST_NO := ST_NO BASE := BASE SLOT := SLOT CH := CH DATA := DATA DA_WR.NDR B LD DA_WR.ERR ERR LD DA_WR.STAT STAT LD DA_WR.ACT ACT </pre>

DAR4INI

G3F-DA4V, G3F-DA4I module initialization(Remote type)	Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●			

Function block	Description	
	Input	REQ : Function block execution request at rising edge NET_NO : Slot location number(0~7) installed the communication module of local station(G3L-FBEA, G3L-FBOA) to send the function block ST_NO : Prefix number(0~63) of communication module(G3L-RBEA, G4L-RBOA) installed at remote I/O station BASE : G3F-DA4V or G3F-DA4I module installation base location number SLOT : Slot location number of G3F-DA4V or G3F-DA4I module installation base CH : Assign the channel to be used Assign '1' of respective element value for channel assignment. DATATYPE: Assign input data range of each channel ('0': 0~16000, '1': -8000 ~ +8000) SEL : Select the output value when the channel is not used or GM5 main body is at STOP status. ('00': Intermediate value output of output range) ('01': Previous value output) ('02': Max. value output of output range) ('03': Min. value output of output range)
	Note 1)	
	Output	NDR : On if the function block is executed without error and Off at next scan. ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution.
[] : Indicate ARRAY variable and number in the parenthesis is the element number.	Note 1)	ACT : Display the channel which was initiated after completing the function block. The element value of the channel will be '1'.

Function

Assign each channel to operate G3F-DA4V or G3F-DA4I module installed at Remote.

Note The execution request response speed of remote function block(DAR4INI) relates to the remote station number(Refer to remote manual). When NDR output of remote function block(DAR4INI) is on, input preset value is input to G3F-DA4V and G3F-DA4I module.

Program example

LD	IL
	LDN AND ST CAL DAR4INI REQ := M0 NET_NO := A ST_NO := INI_REQ BASE := DAR_INI SLOT := DAR_INI CH := DAR_INI DATATYPE := DAR_INI SEL := DAR_INI LD S LD ST LD ST LD ST LD ST

DAR4WR

G3F-DA4V, G3F-DA4I Input Data write(Remote type)

Product	GM1	GM2	GM3	GM4	GM5
Applicable	●	●	●		

Function block	Description
<p>[] : Indicate ARRAY variable and number in the parenthesis is the element number.</p>	<p>Input</p> <ul style="list-style-type: none"> REQ : Function block execution request NET_NO : Slot location number(0~7) installed the communication module of local station(G3L-FUEA, G3L-FUOA) to send the function block ST_NO : Prefix number(0~63) of communication module(G3L -RBEA, G4L-RBOA) installed at remote I/O station BASE : G3F-DA4V or G3F-DA4I module installation base location number SLOT : Slot location number of G3F-DA4V or G3F-DA4I module installation base Note 1) CH : Assign the channel to write input data Assign '1' of respective element value for channel assignment. Note 1) DATA : Input data of each channel Input range is 0 ~ 16000 or -8000 ~ +8000 according to module initialization assignment. <p>Output</p> <ul style="list-style-type: none"> NDR : On if the function block is executed without error and Off at next SCAN ERR : On when the error occurs during executing the function block. STAT : Error status display during the function block execution. Note 1) ACT : Channel display that write the data after completing the function block. The element value of the channel will be '1'.

Function

As G3F-DA4V or G3F-DA4I module initialization function block installed at Remote, operate G3F-DA4V or G3F-DA4I module and assign the channel to write D/A conversion data and write D/A conversion data of respective channel.

Note The execution request response speed of remote function block(DAR4WR) relates to the remote station number(Refer to remote manual). When remote function block(DAR4WR) is used, NDR contact among DAR4INI output shall be used for REQ input condition. The output contents(ERR, STAT...) of remote function block(DAR4WR) is changed to new value when NDR contact is on.

Program example

LD	IL
	<pre> LD M0 ANDN B ST WR_REQ CAL DAR4WR REQ := %I0.0 NET_NO := NET_NO ST_NO := ST_NO BASE := BASE SLOT := SLOT CH := CH DATA := DATA DAR_INI.NDR B DAR_INI.ERR ERR DAR_INI.STAT STAT DAR_INI.ACT ACT </pre>