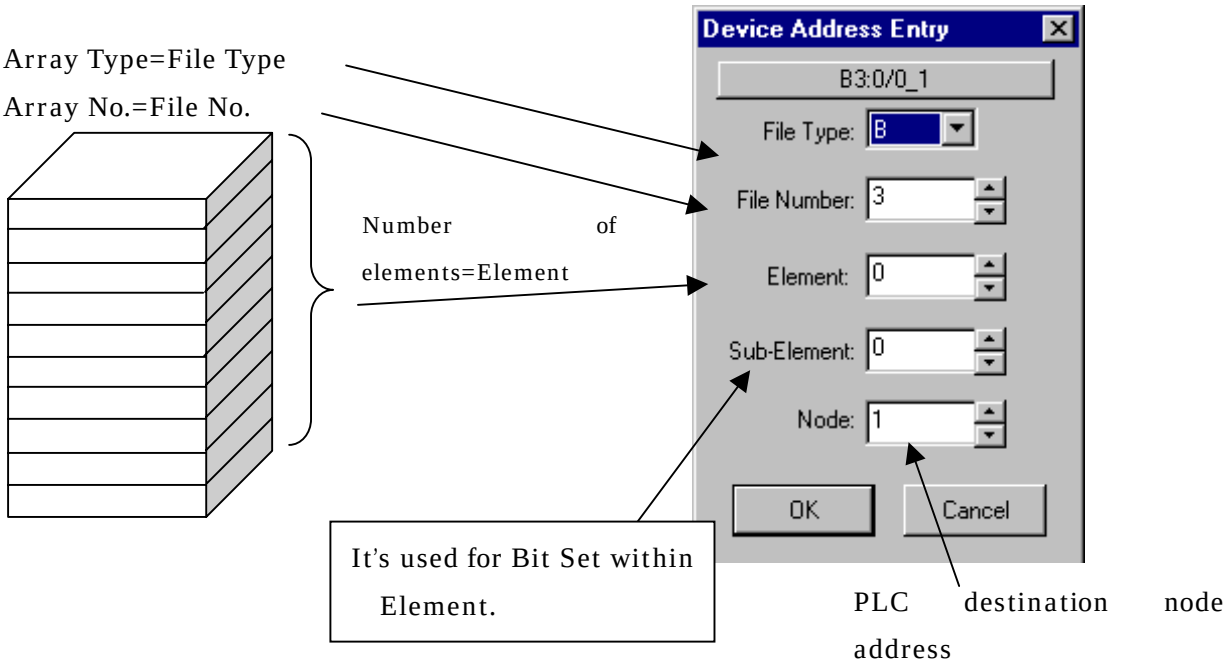
Connecting Rockwell (Allen-Bradley) PLC

SLC500 Series (Ethernet)

Address Set on GP-PRO/PBIII

Since there are multiple arrays, a view point of address setup on GP-PRO/PBIII differs from other companies' PLC Address Setup.



Address notation is as show below.

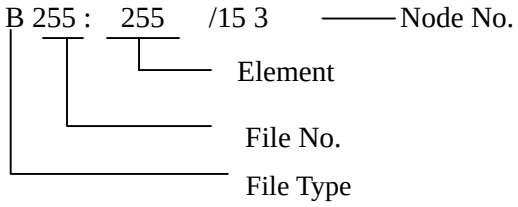


*Table of file numbers and element numbers that can be designated.

Device	Bit Address	Word Address	Remarks	
Bit	B003:000/00～B003:255/00 B009:000/00～B255:255/00	B003:000～B003:255 B009:000～B255:255	*1,*2	H/L
Timer (TT:Timing Bit)	T004000/TT～T004:255/TT T009:000/TT～T255:255/TT	-	*4	
Timer (DN:Complete Bit)	T004:000/TT～T004:255/TT T009:000/TT～T255:255/TT	-	*4	
Timer (EN:Enable)	T004:000/EN～T004:255/EN T009:000/EN～T255:255/EN	-		
Timer (PRE:Setting Value)	-	T004:000.PRE～T004:255.PRE T009:000.PRE～T255:255.PRE	*3	
Timer (ACC:Current Value)	-	004:000.ACC～T004:255.ACC 009:000.ACC～T255:255.ACC	*3	
Counter (CU:Up Count)	C005:000/CU～C005:255/CU C009:000/CU～C255:255/CU	-	*4	
Counter (CD:Down Count)	C005:000/CD～C005:255/CD C009:000/CD～C255:255/CD	-	*4	L/H
Counter (DN:Complete Bit)	C005:000/DN～C005:255/DN C009:000/DN～C255:255/DN	-	*4	
Counter (OV:Overflow)	C005:000/OV～C005:255/OV C009:000/OV～C255:255/OV	-		
Counter (UN:Underflow)	C005:000/UN～C005:255/UN C009:000/UN～C255:255/UN	-		
Counter (UA:Update)	C005:000/UA～C005:255/UA C009:000/UA～C255:255/UA	-		
Counter (PRE:Setting Value)	-	C005:000.PRE～C005:255.PRE C009:000.PRE～C255:255.PRE	*3	
Counter (ACC:Current Value)	-	005:000.ACC～C005:255.ACC 009:000.ACC～C255:255.ACC	*3	

Device	Bit Address	Word Address	Remarks	
Control (DN:Complete Bit)	R006:000/DN～R006:255/DN R009:000/DN～R255:255/DN	-		
Control (EN:Enable)	R006:000/EN～R006:255/EN R009:000/EN～R255:255/EN	-		
Control (ER:Error)	R006:000/ER～R006:255/ER R009:000/ER～R255:255/ER	-		
Control (UL:Unload)	R006:000/UL～R006:255/UL R009:000/UL～R255:255/UL	-		
Control (IN:Inhibit)	R006:000/IN～R006:255/IN R009:000/IN～R255:255/IN	-		
Control (FD:Fund)	R006:000/FD～R006:255/FD R009:000/FD～R255:255/FD	-		**L/H**
Control (EU:Unload Enabled)	R006:000/EU～R006:255/EU R009:000/EU～R255:255/EU	-		
Control (EM:Stuff Empty)	R006:000/EM～R006:255/EM R009:000/EM～R255:255/EM	-		
Control (LEN:Length)	-	R006:000.LEN～R006:255.LEN R009:000.LEN～R255:255.LEN		
Control (POS:Position)	-	R006:000.POS～R006:255.POS R009:000.POS～R255:255.POS		
Integer	-	N007:000～N007:255 N009:000～N255:255	*1,*2,*5	H/L
Floating Point	-	F008:000～F255:255		L/H

Remarks

*1------With GP-Pro/PB3 for Windows, when inputting devices, input them as shown below.

PLC Notation

N 7 : 015
- N: File Type
- 7: File No.
- 015: Element

GP-Pro/PB3 for Windows Input

N 007 015
- N: File Type
- 007: File No.
- 015: Element

*2----With GP-Pro/PB3 for Windows, when inputting devices, input them as shown below.

PLC Notation

B 3 : 021 / 15
- B: File Type
- 3: File No.
- 021: Element
- 15: Bit

GP-Pro/PB3 for Windows Input

B 003 021 F
- B: File Type
- 003: File No.
- 021: Element
- F: Bit

*3----With GP-Pro/PB3 for Windows, when inputting devices, input them as shown below.

PLC Notation

T 4 : 17 . ACC
- T: File Type
- 4: File No.
- 17: Element
- ACC: Word

GP-Pro/PB3 for Windows Input

TA 004 017
- TA: File Type
- 004: File No.
- 017: Element

*4--- With GP-Pro/PB3 for Windows, when inputting devices, input them as shown below.

PLC Notation

T 4 : 17 / TT
- T: File Type
- 4: File No.
- 17: Element
- TT: Bit

GP-Pro/PB3 for Windows Input

TT 004 017 0
- TT: File Type
- 004: File No.
- 017: Element
- 0: Input 0

*5---Bit Set Possible (Bit part: Hexadecimal)

Important notes

(1) The following devices cannot be set in GP: I (Input), O (Output), S (Status), R (Control), ST (Character Strings), L (Long), MG (Message), PD (PID)

(2) File Type is fixed for the file numbers from 0 to 8. Element (Device Points) is changeable.

(3) Users can allocate File Type and Element for the file numbers from 9 to 255 in the range of the processor unit's memory volume.