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# DNP-ES2

Новые ПЛК для цикловой автоматики!



**16ES2**

8  
8



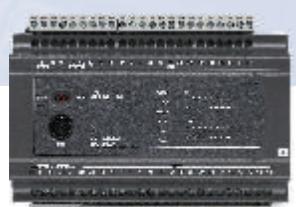
**20EX2**

8 , 4  
6 , 2



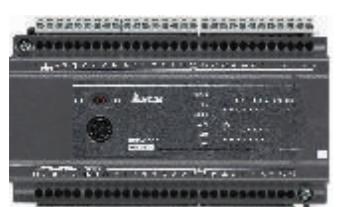
**24ES2**

16  
8



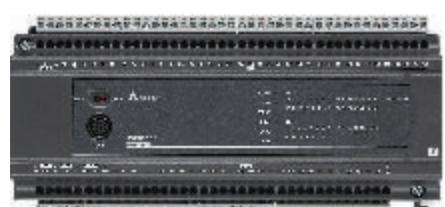
**32ES2**

16  
16



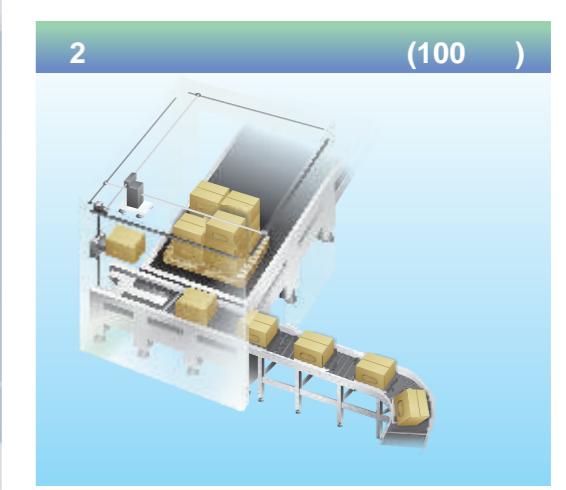
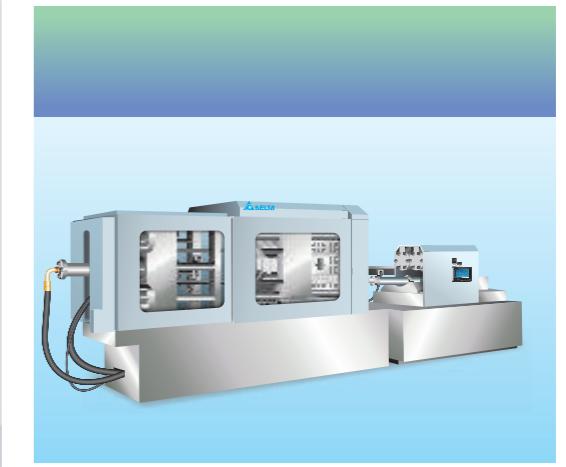
**40ES2**

24  
16



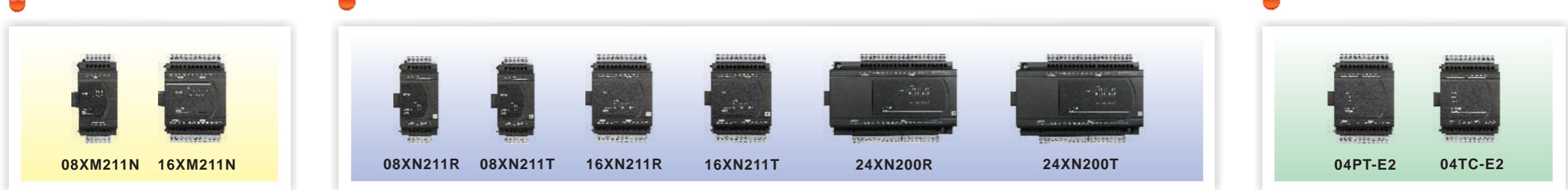
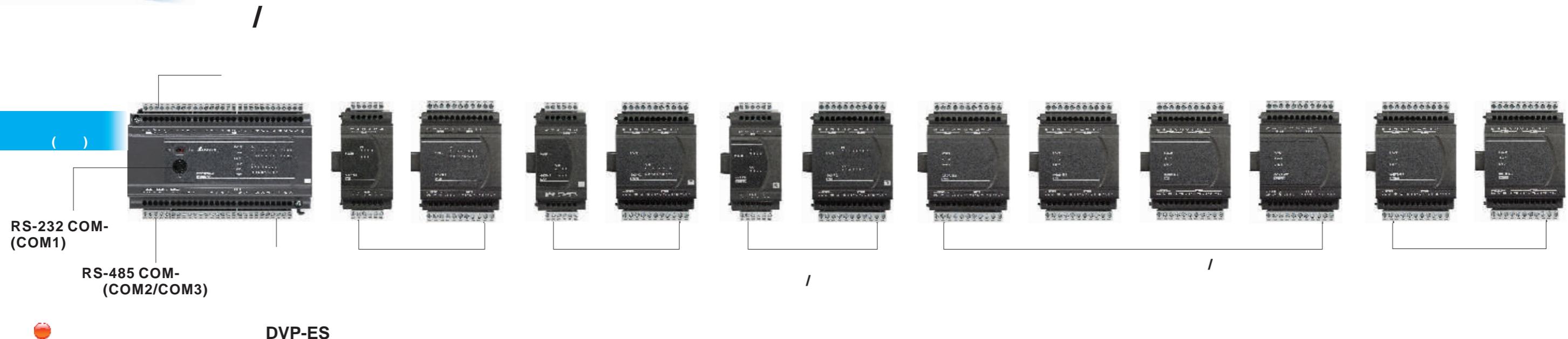
**60ES2**

36  
24





DVP-ES2

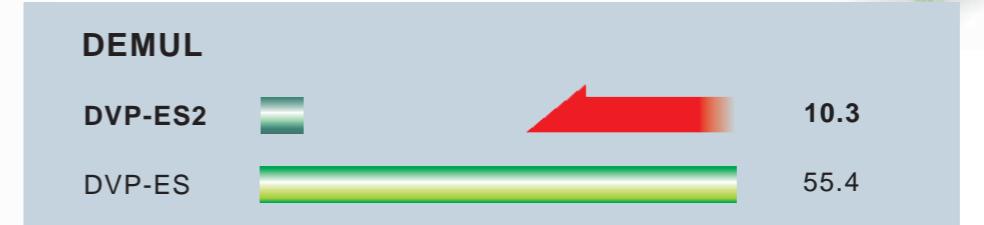
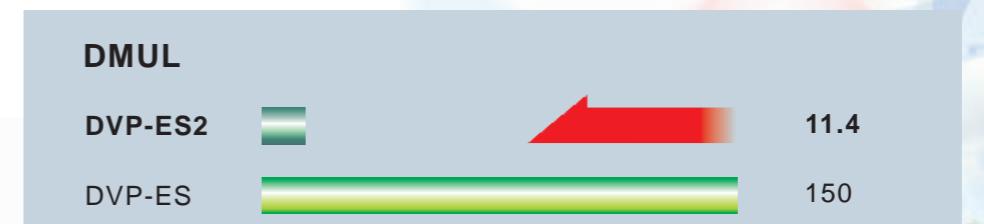
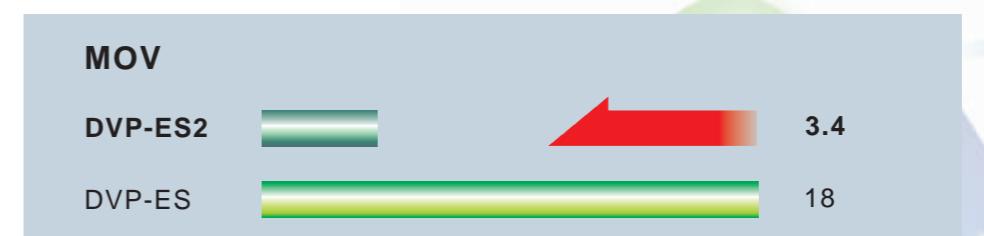
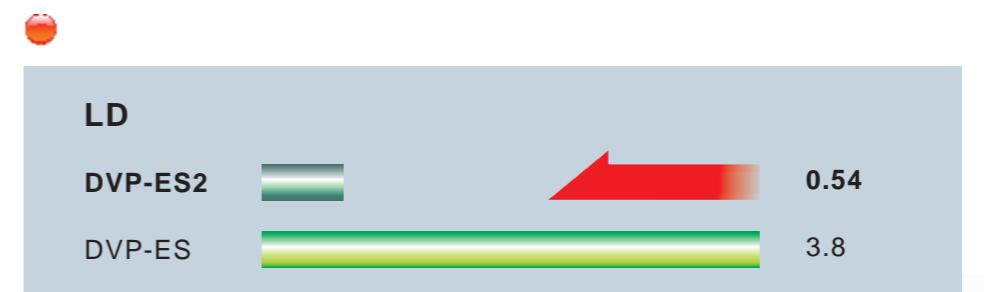
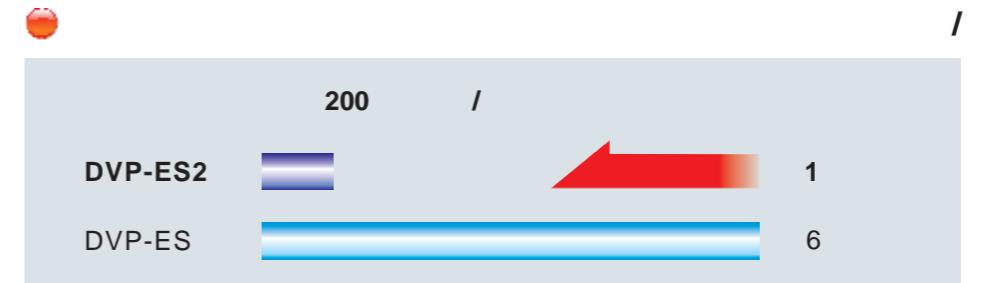




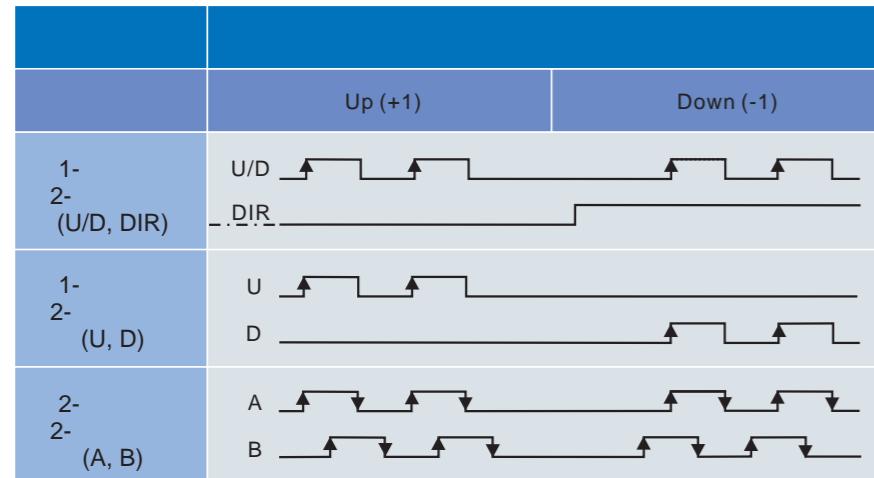
## *Control*

# DNP-ES2

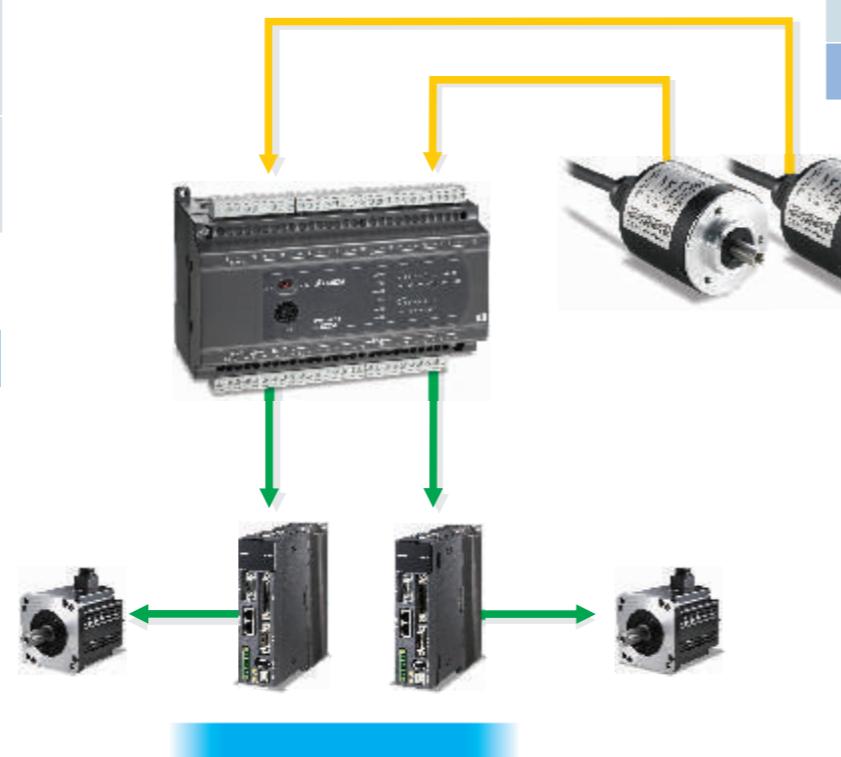
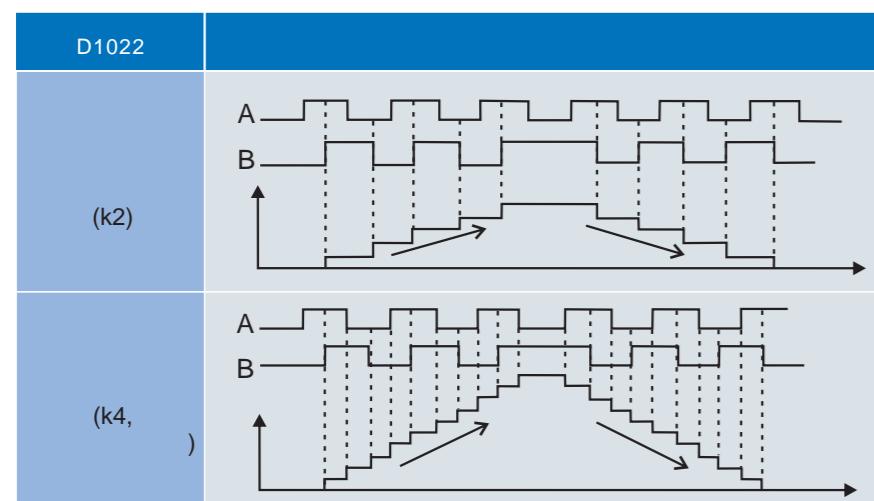
	20EX200T 20EX200R	16ES200T 16ES200R	24ES200T 24ES200R	32ES200T 32ES200R	40ES200T 40ES200R	60ES200T 60ES200R
	2	100 ; 6	.4	10 ; .8		;
		2	100 ; 2		10	
			8			
			8			
.		1 RS-232	2 RS-485			
/						
.						
			8			
-		,		/		
				: 0.35 ... 1		
-			16k			
				,		
/	256	+ 16	16	256		



DVP-ES2 8  
6 10 ) (2 100 .



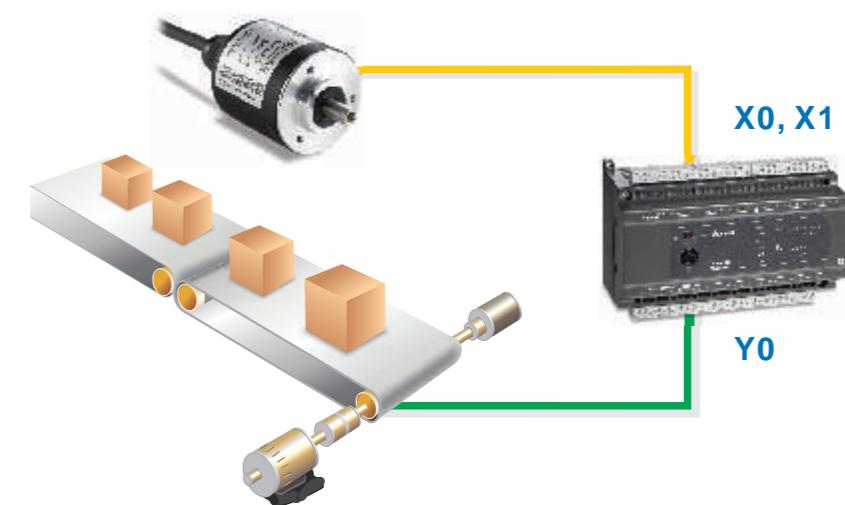
D1022  
2 4 .



DVP-ES2 4  
: Pulse/Dir ( / ), A/B CW/CCW.  
(2 100 2 10 )

	D1220				D1221				
	K0		K1	K2	K3	K0		K1	K2
Y0	Pulse		Pulse	A	CW				
Y1		Pulse	Dir	B					
Y2					Pulse		Pulse	A	CCW
Y3						Pulse	Dir	B	

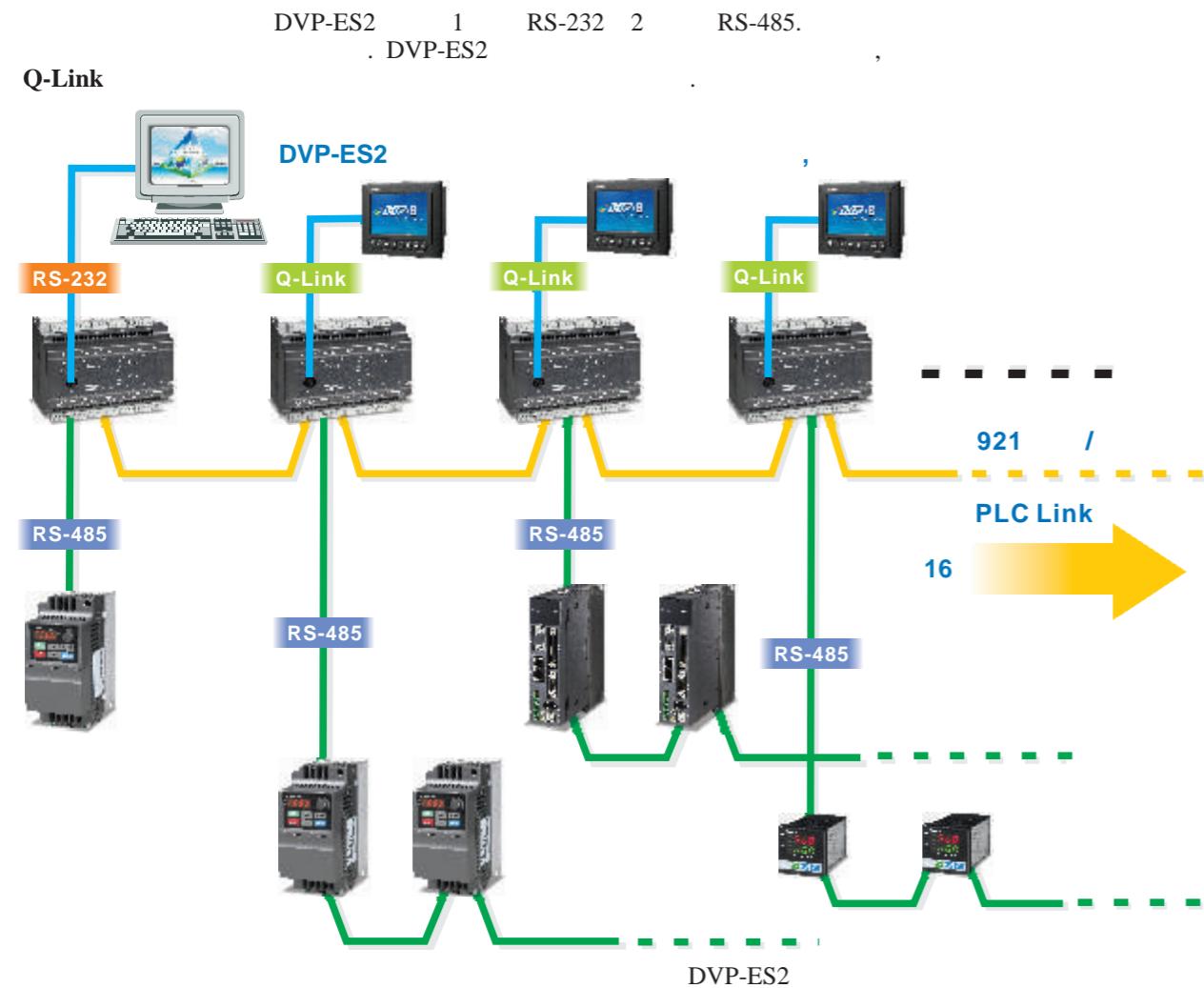
(DHSCS DHSCR)



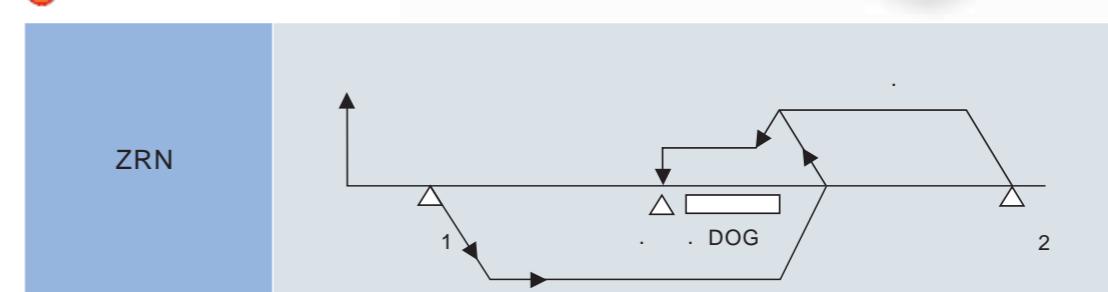
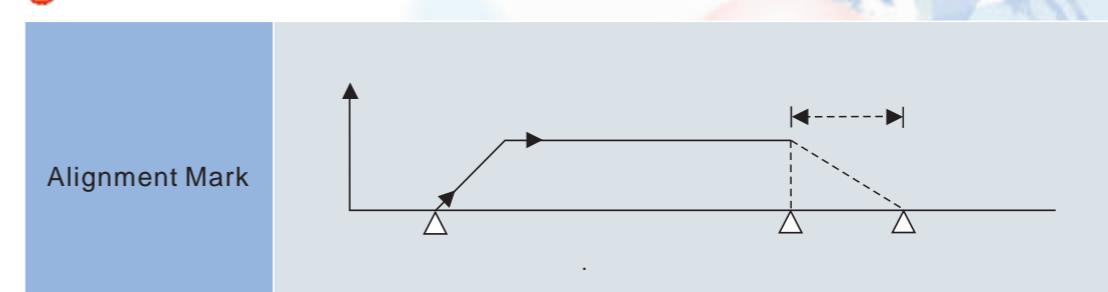
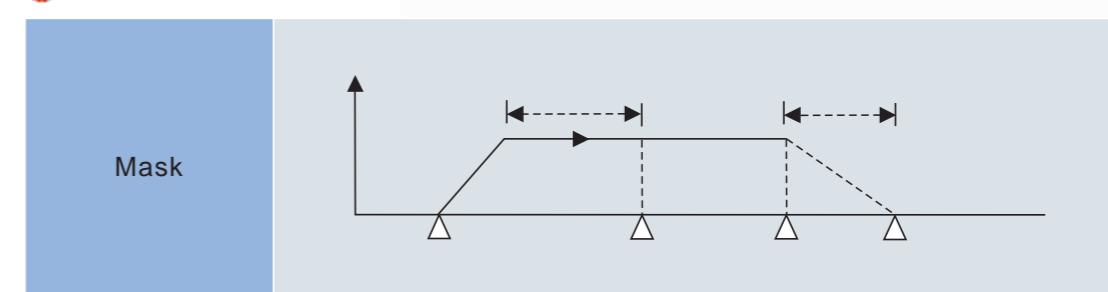
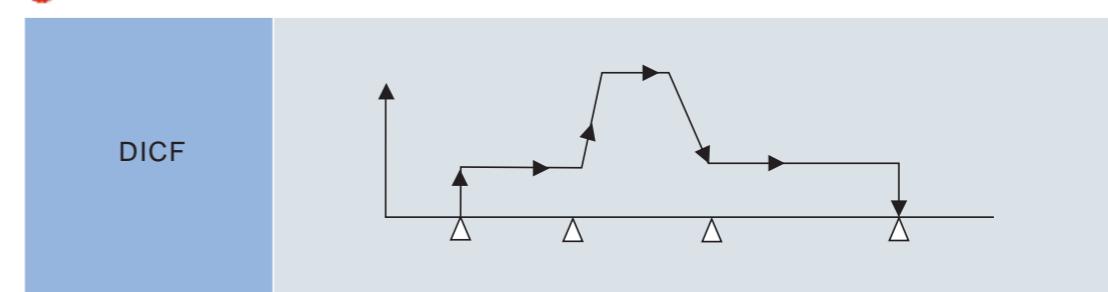
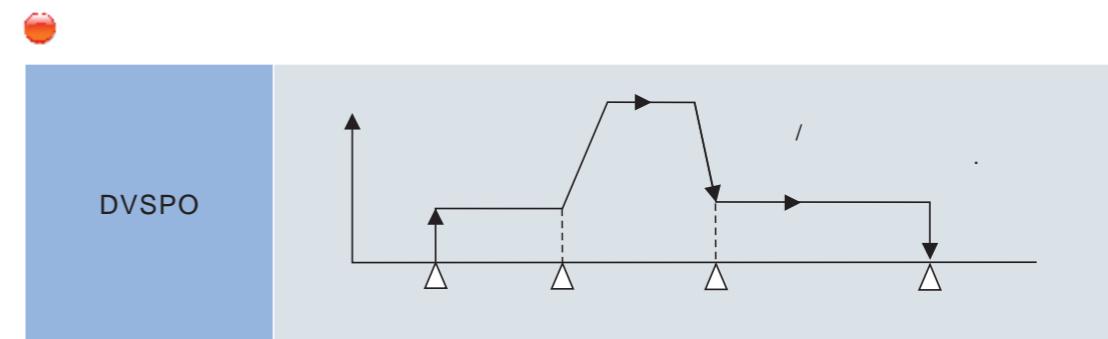
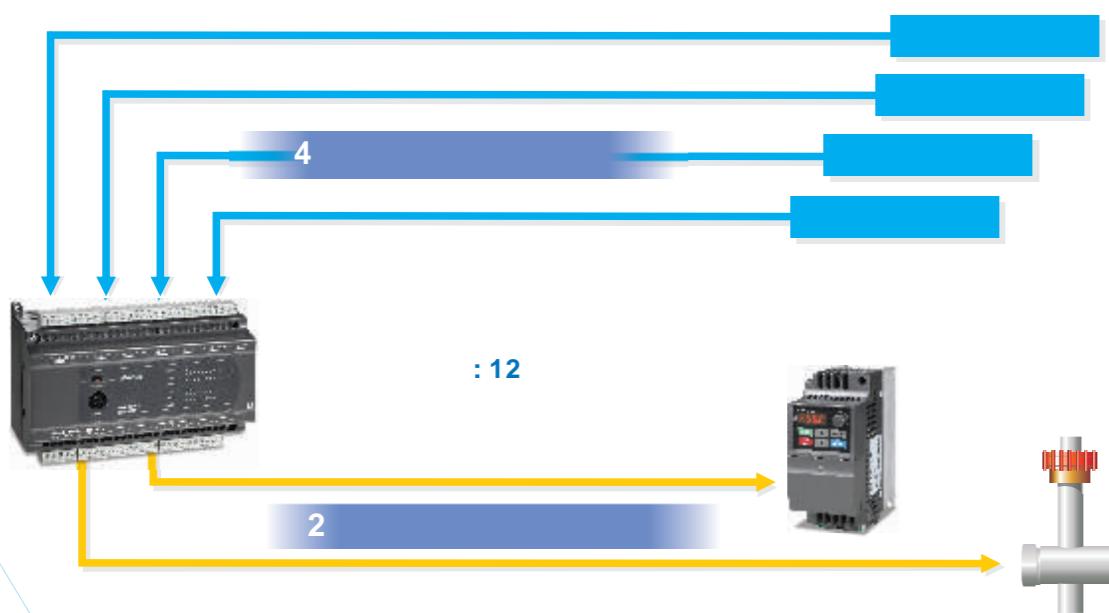
	1-		1-		1- 2-				2- 2-			
	C243	C244	C245	C246	C247	C248	C249	C250	C251	C252	C253	C254
X0	U		U/D	U/D	U	U			A	A		
X1	R		Dir	Dir	D	D			B	B		
X2		U					U/D	U/D		A	A	
X3		R					Dir	Dir		B	B	
X4				R		R			R			R
X5							R					R

DVP-ES2 2 4

	A				B			
	A1	A2	A3	A4	B1	B2	B3	B4
	C243, C245-C248, C251, C252						C244, C249, C250, C253, C254	
	I010	I020	I030	I040	I050	I060	I070	I080
	4 A						4 B	

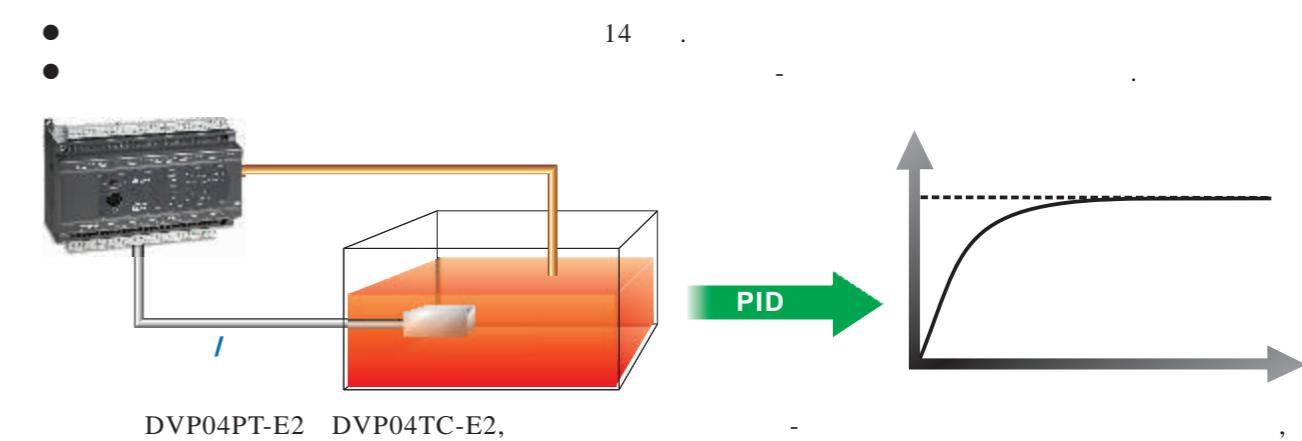
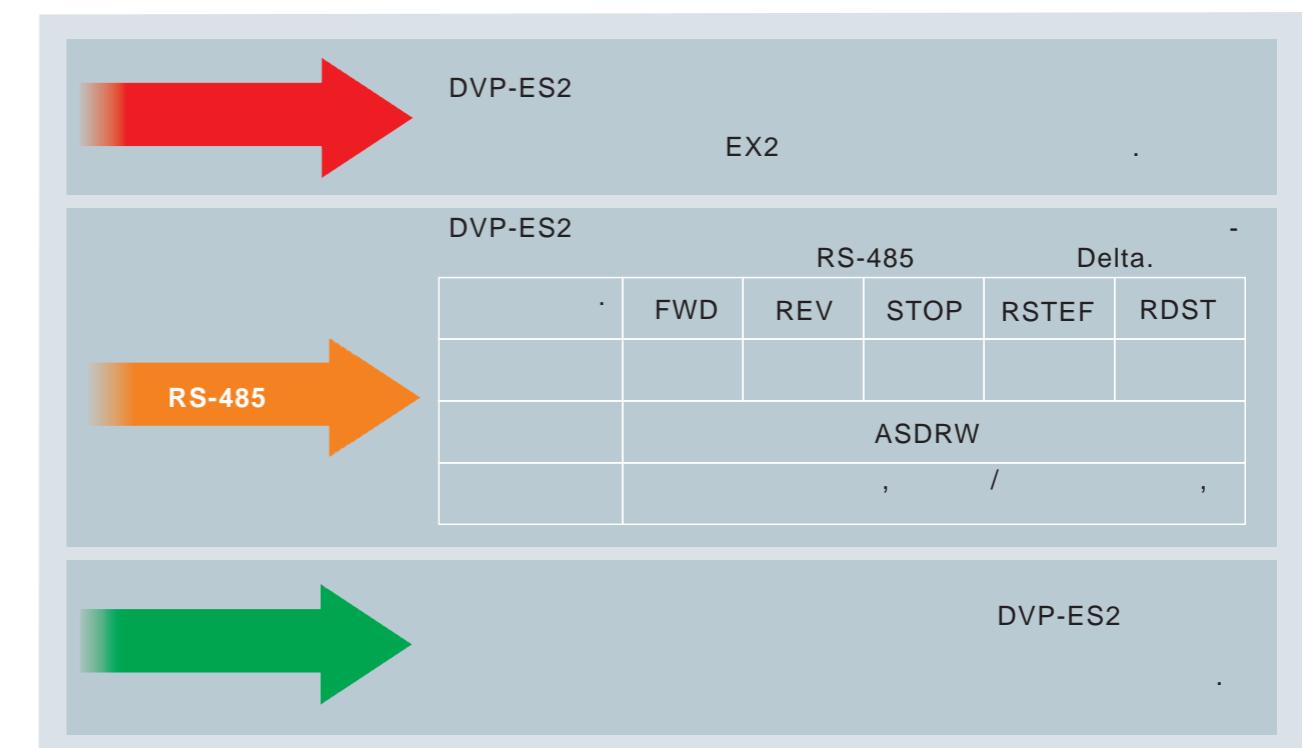
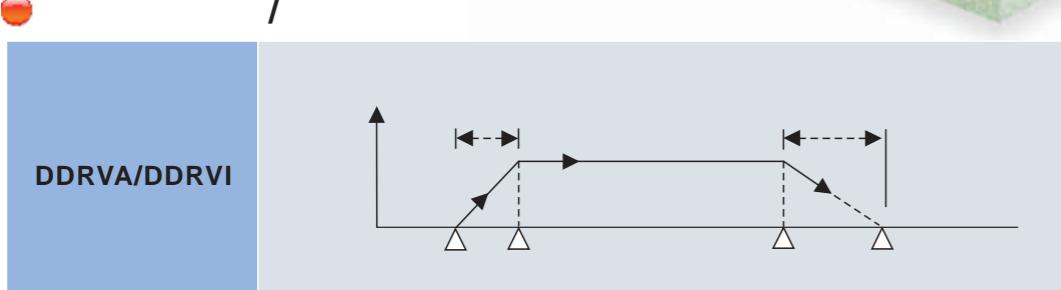
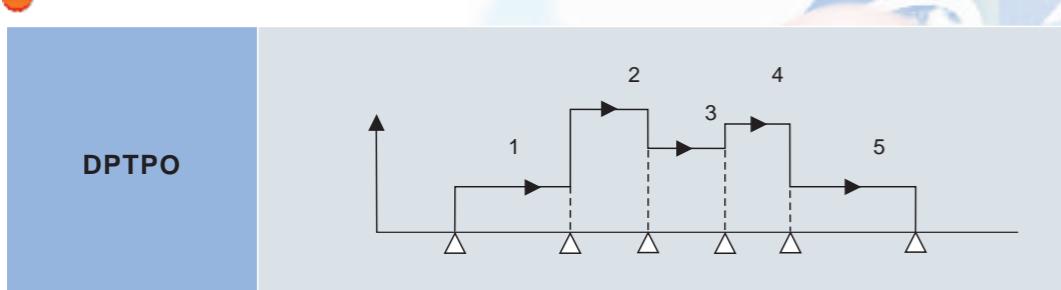
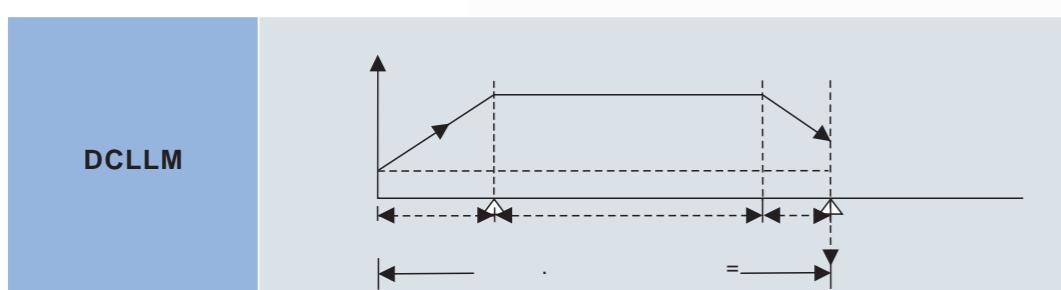
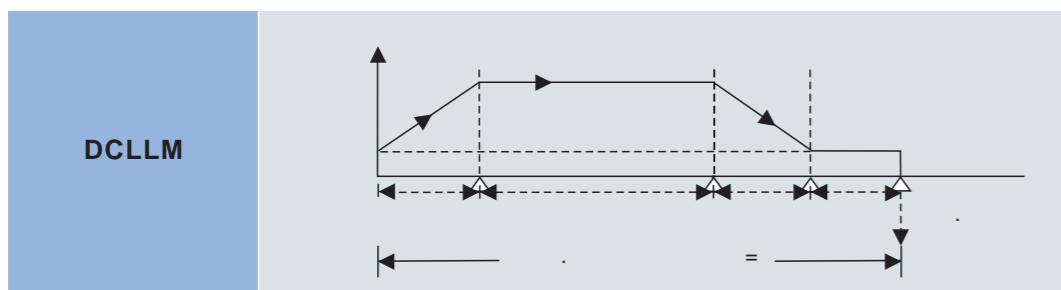
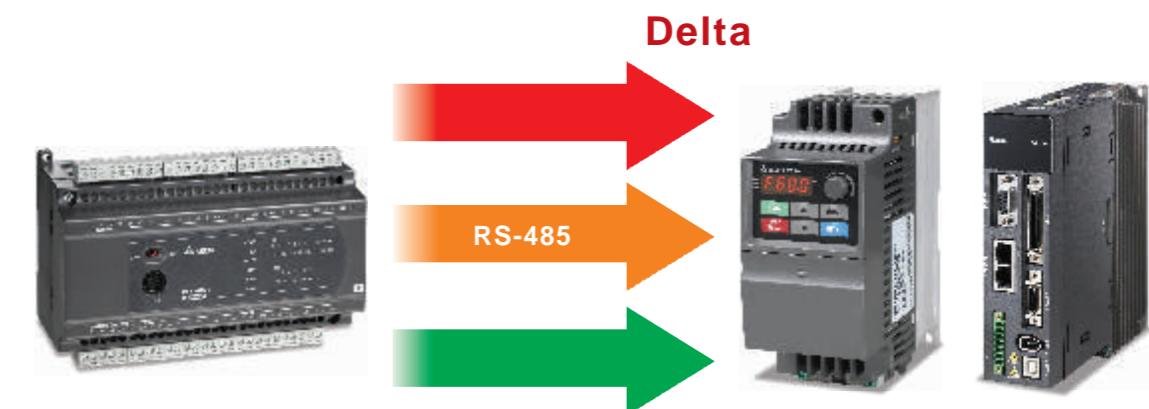


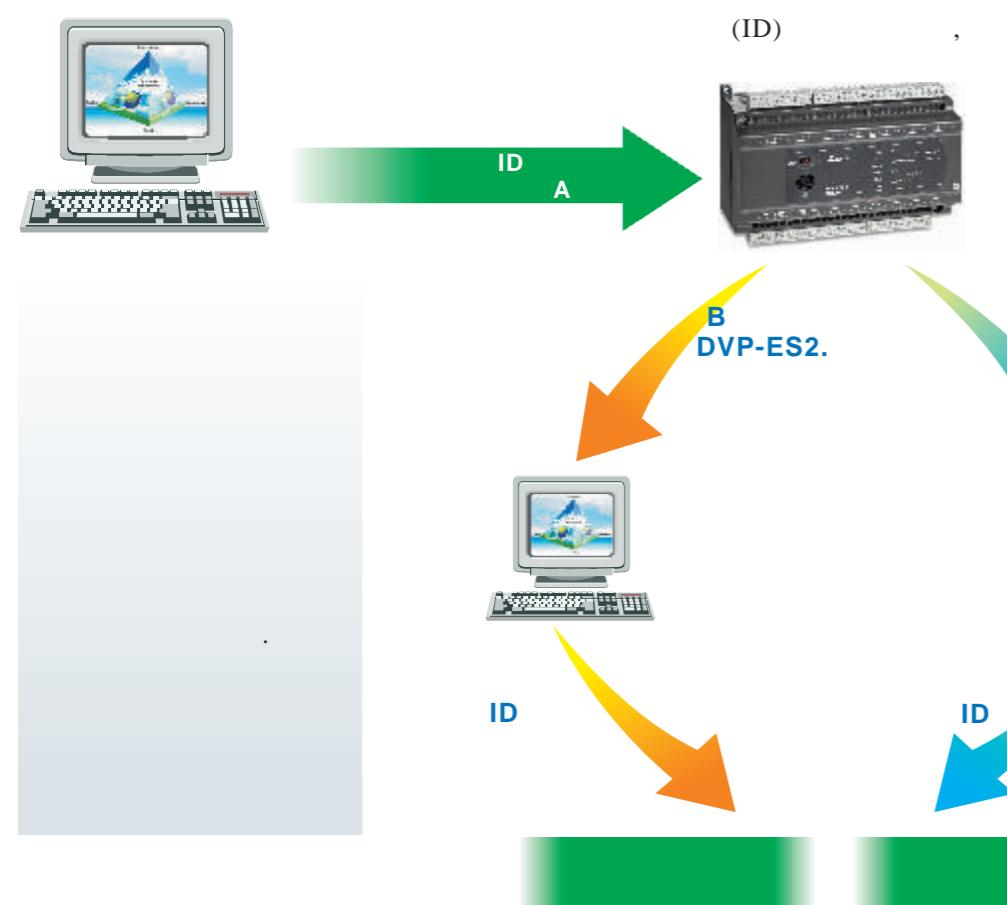
/ 20EX



Control

DVP-ES2





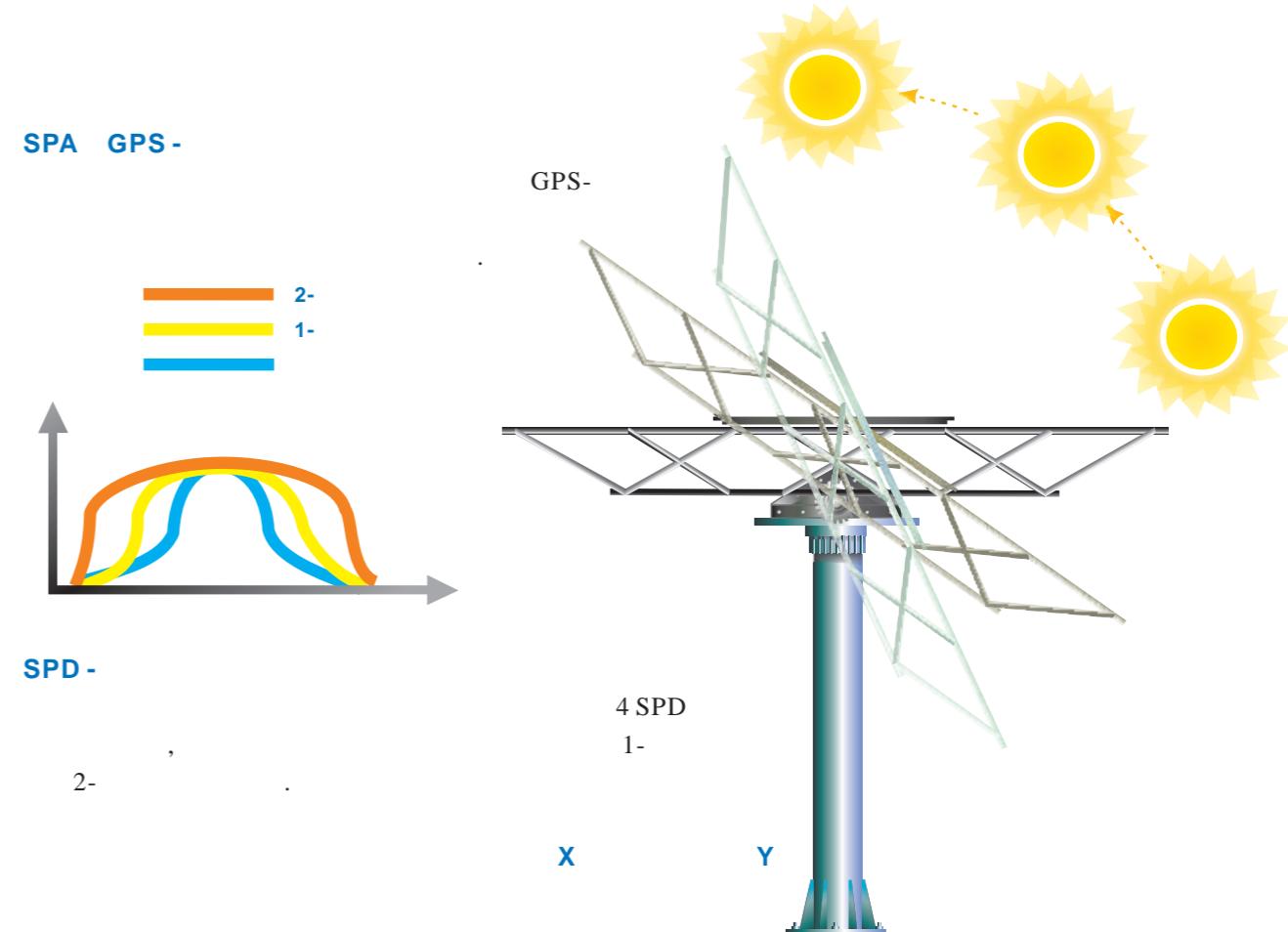
(PLC ID)

The dialog box has a title bar 'PLC ID Setting' and a close button 'X'. The main area contains the text 'Enter PLC ID (4-8 Characters)' above a text input field containing '\*\*\*\*'. Below it is a label 'Confirmation' above another text input field also containing '\*\*\*\*'. At the bottom are 'OK' and 'Cancel' buttons.

A screenshot of a Windows-style dialog box titled "Program ID Setting". It contains a label "Enter Program ID (4-8 Characters):" followed by a text input field containing "\*\*\*\*". Below it is a confirmation field also containing "\*\*\*\*". At the bottom are "OK" and "Cancel" buttons.

A screenshot of a Windows-style dialog box titled "Personal Setting". It contains a password input field with the placeholder "\*\*\*\*\*", a confirmation input field below it, and a checkbox labeled "Enable Limited Time" with a dropdown menu showing the value "3". At the bottom left is a "UnLock" button.

A screenshot of a Windows-style dialog box titled "Password Setting". It contains a label "Password (4 Characters)" with an input field, and two buttons "OK" and "Cancel". Below the input field, there is a "Warning" message and a "Setting times remained: 3" message. At the bottom, there is a "Lock" button.



FROM K0 K10 D0 K1

FROM/TO

/

DVP-ES2.

/ DVP-ES2..

D9900 ~ D9909				
D9910 ~ D9919				
D9920 ~ D9929				
D9930 ~ D9939				
⋮				

ISPSof<sup>t</sup>  
ISPSof<sup>t</sup>  
ISPSof<sup>t</sup>

ISPSof<sup>t</sup>

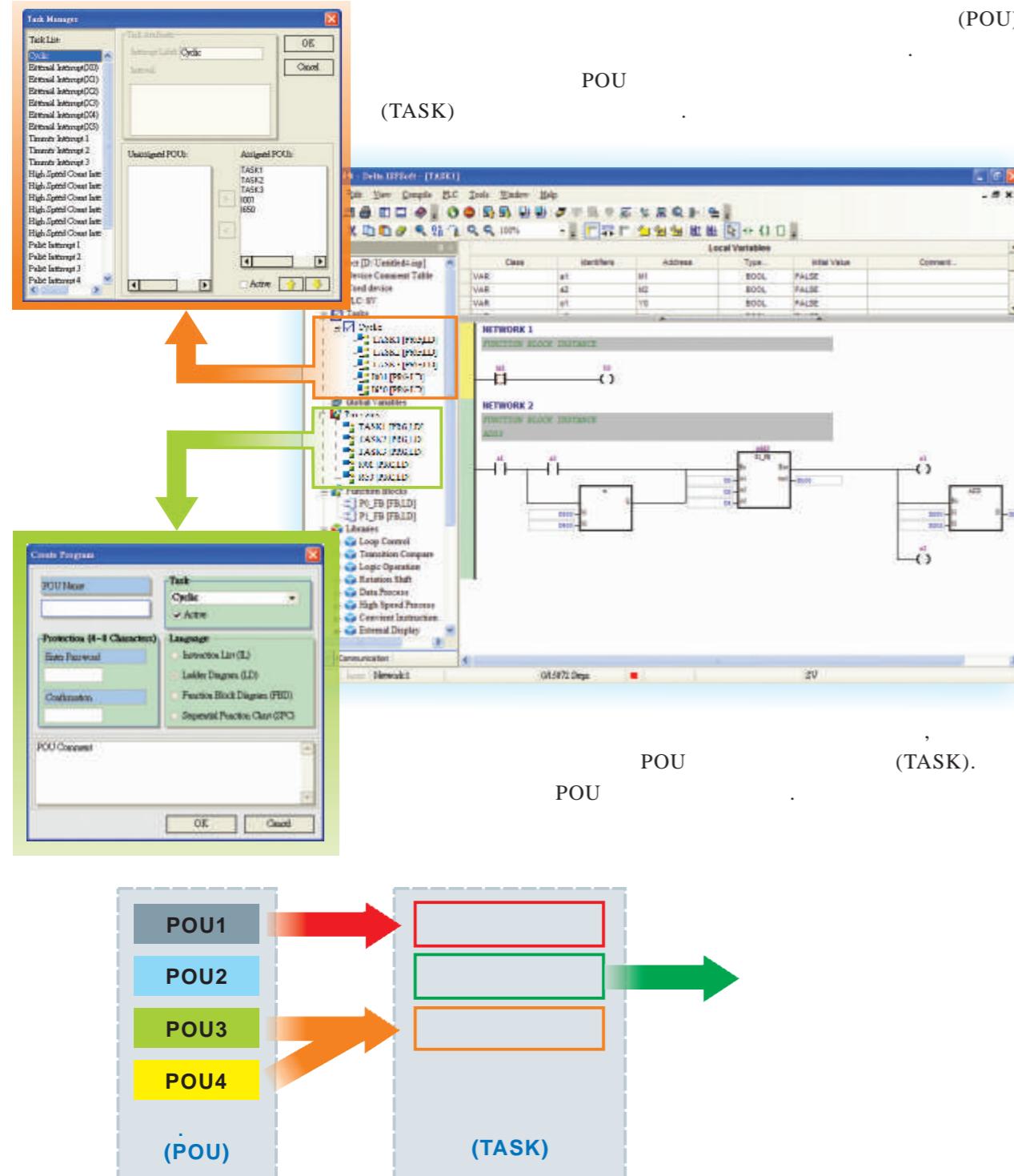
LD, FBD

## : ISPSof<sup>t</sup>

IEC61131-3.

DVP.

(TASK)

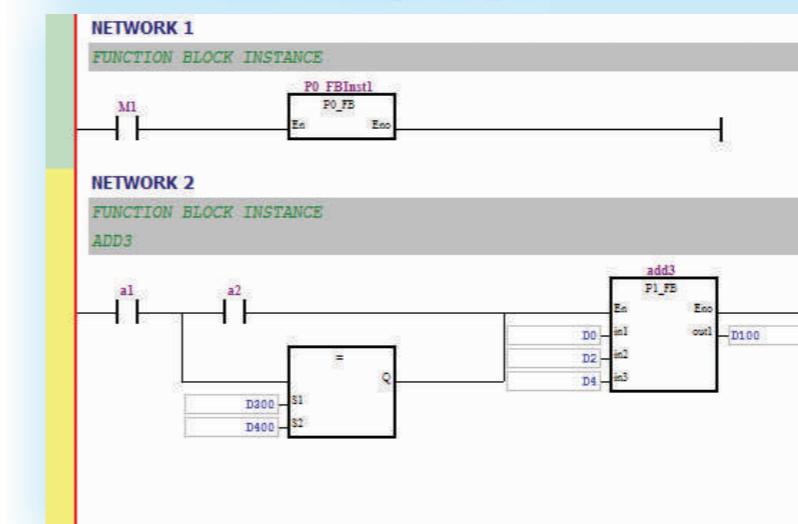
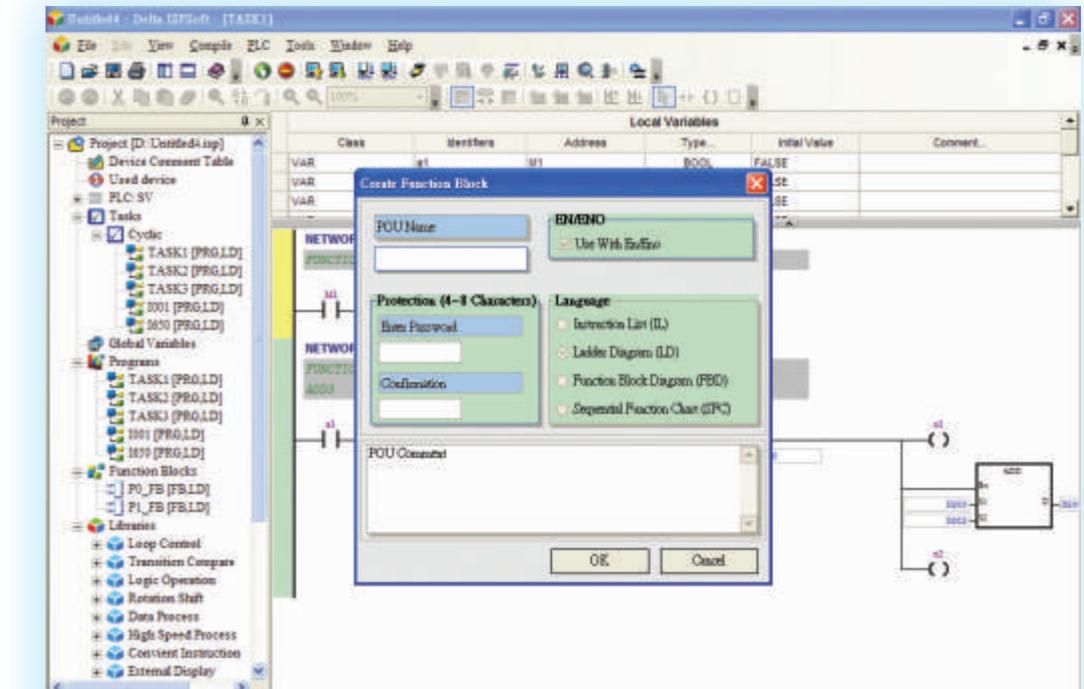


(POU),

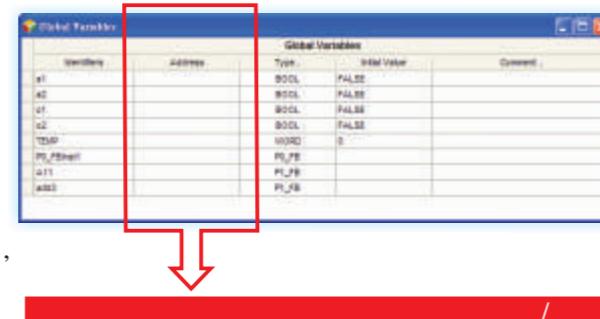
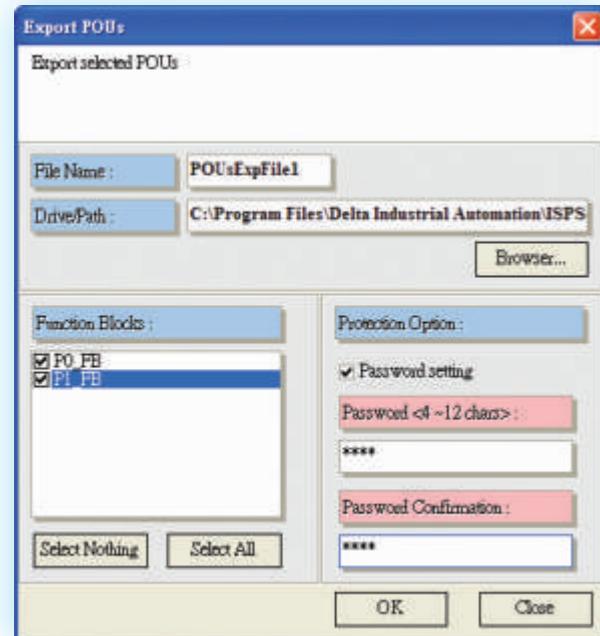
POU

(TASK)

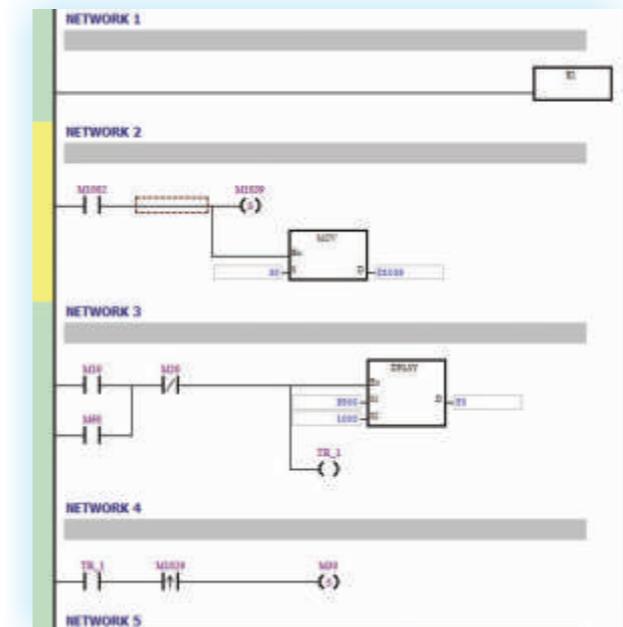
Каждый функциональный блок может использоваться многократно.



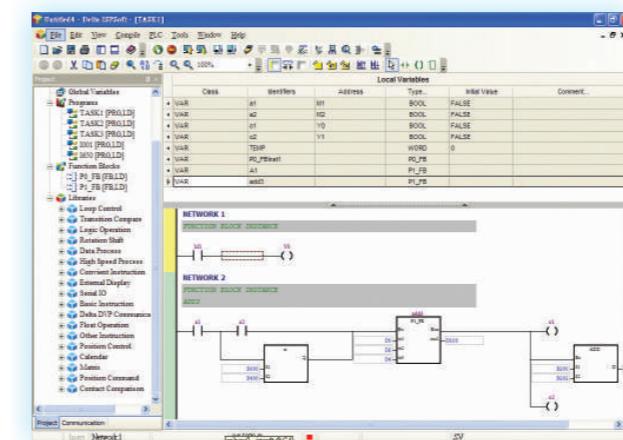
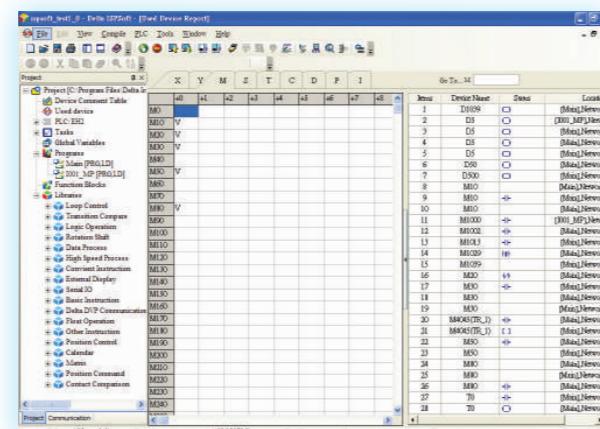
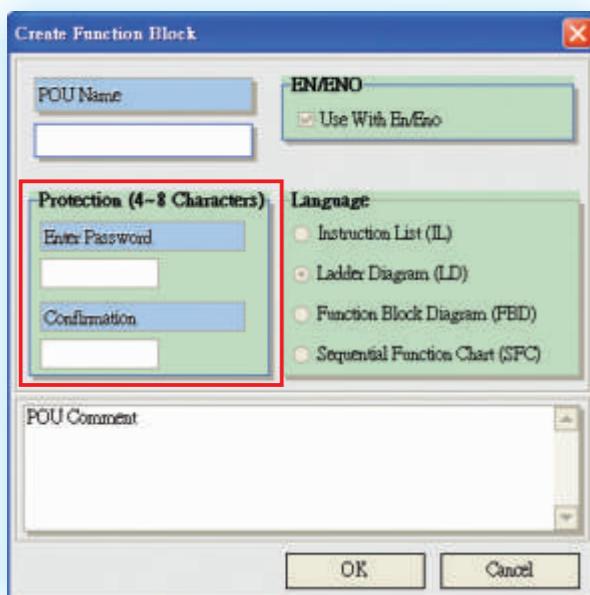
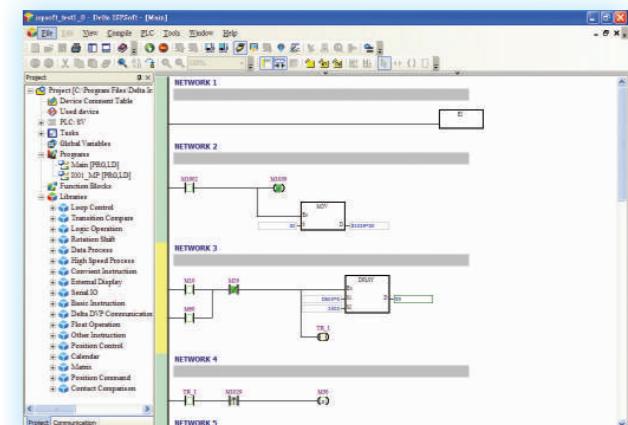
## : ISPSoft



POU.

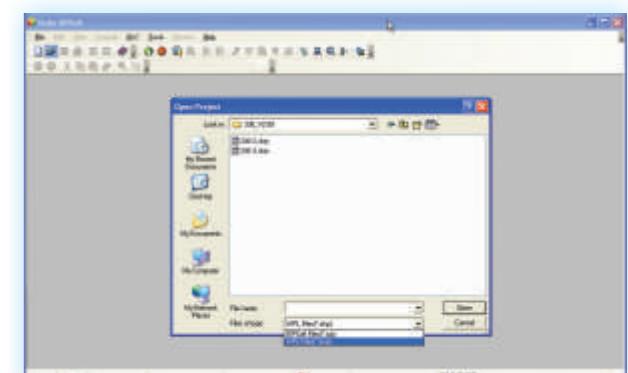


(network). ISPSoft



WPLSoft

WPLSoft  
ISPSoft.





	DVP 16ES200□1	DVP 20EX200□*1	DVP 24ES200□*1	DVP 32ES200□*1	DVP 40ES200□*1	DVP 60ES200□*1	
X	X0~X7 (8 )	X0~X7 (8 )	X0~X17 (16 )	X0~X17 (16 )	X0~X27 (24 )	X0~X43 (36 )	X20(X50) ~X337*2
Y	Y0~Y7 (8 )	Y0~Y5 (6 )	Y0~Y7 (8 )	Y0~Y17 (16 )	Y0~Y17 (16 )	Y0~Y27 (24 )	Y20(Y30) ~Y337*2
-	-	4 (12- )	-	-	-	-	-
-	-	2 (12- )	-	-	-	-	-

	DVP08XM 211N	DVP08XN 211□*1	DVP08XP 211□*1	DVP16XM 211N	DVP16XN 211□*1	DVP16XP 211□*1	DVP24XN 200□*1	DVP24XP 200□*1	DVP32XP 200□*1
X	X20~X27 (8 )	-	X20~X23 (4 )*3	X20~X37 (16 )	-	X20~X27 (8 )	-	X20~X37 (16 )	X20~X37 (16 )
Y	-	Y20~Y27 (8 )	Y20~Y23 (4 )*3	-	Y20~Y37 (16 )	Y20~Y27 (8 )	Y20~Y47 (24 )	Y20~Y27 (8 )	Y20~Y37 (16 )

\*1: R- / ; T- ( N); S- DVP60ES2 8. ( P). X50(Y30), DVP40ES2- X30(Y20). X20(Y20).

\*2: / 8 8.

\*3: / 8 8.

	DVP 04AD-E2	DVP 04DA-E2	DVP 06XA-E2	DVP 02DA-E2	DVP 04TC-E2	DVP 04PT-E2
	AD1~4 (4CHx14-bit)	-	AD1~4 (4CHx14-bit)	-	CH1~4 (4CHx16-bit)	CH1~4 (4CHx16-bit)
	-	DA1~4 (4CHx14-bit)	DA1~2 (2CHx14-bit)	DA1~2 (2CHx14-bit)	-	-

-						
X		X0~X377, - , 256				
Y		Y0~Y377, - , 256				
-	M		M0~M511, 512 M768~M999, 232 M2000~M2047, 48			
-	T		M512~M767, 256 M2048~M4095, 2048			
-			M1000~M1999, 1000	( - . )		
100 (M1028=ON, T64-T126 =10 )	T0~T126, 127 T128~T183, 56 T184~T199 T250~T255"6			, 16	(TMR	

	-						
-	T		10 (M1038=ON, T200-T245 =1 )	T200-T239, 40 '240~T245"6	"1 "1	"1 "1	256
-	C		1	T127, 1 "246~T249", 4	"1 "1	"1 "1	
-	S		16-	C0~C111, 112 C112~C127, 16 C128~C199, 72	"1 "2	"1 "1	
-	T		32-	/ C200~C223, 24 C224~C231, 8	"1 "2	"1 "1	255
-	D		32-bit	C235~C244, 1- . 1 .., 10 C245~C250, 1- . 2 .., 6 C232~C234, C251~C254, 2- . 2 .., 7	"1 "2	"1 "2	
-	N			S0~S9, 10	"2 "2		
-	P			S10~S19, 10	( IST )	"2 "2	1024
-	I			S20~S127, 108	"2 "2		
-	K			S128~S911, 784	"2 "2		
-	H			S912~S1023, 112	"2 "2		
-				T0~T255, 16- . , 256			
-				C0~C199, 16- . , 200			
-				C200~C254, 32- . , 55			
-				D0~D407, 408 D600~D999, 400 D3920~D9899, 5980	"1 "1	"1 "1	
-				D408~D599, 192 D2000~D3919, 1,920	"2 "2	"2 "2	10000
-				D1000~D1999, 1000	( - . )		
-				D9900~D9999, 100	"1 "5		
-				E0~E7, F0~F7, 16	"1 "1		
-				N0~N7, 8			
-				P0~P255, 256			CJ CALL
-				I00□(X0), I10□(X1), I20□(X2), I30□(X3), I40□(X4), I50□(X5), I60□(X6), I70□(X7), 8 □=1, . . . , □=0, . . . )			
-				I6□□, I7□□, (□□05~99 ), 2			
-				I010□I020□I030□I040□I050□I060□I070□ I080□8			
-				I140(COM1)□I150(COM2) I160(COM3) (*3)□3			
-				K-32768 ~ K32767 (16- . . . ) K-2 147 483 648 ~ K2 147 483 647 (32- . . . )			
-				H0000 ~ HFFFF (16- . . . ) H00000000 ~ HFFFFFF (32- . . . )			

\*1:  
\*2:  
\*3: COM1 - RS-232 X ; COM2 COM3 - 256 Y RS-485

16 . . . Y 10 256 . . . X 16 . . . Y 10



M	-	-	-	-	-	-
	M0~M511	M512~M767	M768~M999	M1000~M1999	M2000~M2047	M2048~M4095

C	16-		32-		/	32-	/
	-	-	-	-	-	-	-
	C0~C111	C112~C127	C128~C199	C200~C223	C224~C231	C232~C254	

T								
	<hr/>							
	100	1	100		10		1	100
	T0~T126	T127	T128~T183	T184	T200~T239	T240~T245	T246~T249	T250~T255
	M1028=ON: T64~T126=10			T199	M1038=ON: T200~T245=1			

S					
	S0~S9	S10~S19	S20~S127	S128~S911	S912~S1023

D								
	-	-	-	-	-	-	-	-
	D0~D407	D408~D599	D600~D999	D1000~D1999	D2000~D3919	D3920~D9899	D9900~D99999	

SEE → ON	STOP → RUN	RUN → STOP	M1031=ON	M1032=ON			

	OFF → ON		ON → OFF	
		M1033= OFF, M1033=ON,		0
				0
M, D				

DVP-ES2

DVP16ES200□ DVP24ES200□ DVP32ES200□ DVP40ES200□ DVP60ES200□ DVP20EX200□

100 ~ 240V AC (-15% ~ 10%), 50/60  $\pm$ 5%

DVP-ES2	70VAC.	95 ~ 100VAC 10	.
	2A/250VAC		

30VA
24VDC / 500

DC24V

	1500V AC (Primary-secondary); 1500V AC (Primary-PE); 500V AC (Secondary-PE)		
> 5	500VDC (	/	)

$L, N.$   
)

	DVP16ES200□	DVP24ES200□	DVP32ES200□	DVP40ES200□	DVP60ES200□	DVP20EX200□
-	ESD: 8 kV EFT: : 2kV, . / : 1kV, . / : 1kV RS: 26MHz ~ 1GHz, 10V/m					
	: 0 °C~55 °C ( ), 50~95% ( ), : -25 °C~70 °C ( ), 5~95% ( )					2
-/-	: IEC61131-2, IEC 68-2-6 (TEST Fc)/ IEC61131-2, IEC 68-2-27 (TEST Ea)					
( )	R: 377 T: 351	R: 414 T: 387	R: 489 T: 432	R: 554 T: 498	R: 696 T: 614	R: 462 T: 442

DVP-ES2 MPU

		DC (PNP NPN)		
		24VDC, 5		
	Input No.	X0,X2	X1,X3~X7	X10~X17,X20
	Off -> On		> 15VDC	
	On -> Off		< 5VDC	
	Off -> On	2.5	20	10
	On -> Off	5	50	10
		100	10	50
X0 ~ X7		(	(0 ~ 20 : 10 )	D1020
				4.7K

DVP-ES2 MPU

		(R)	(T)		
			Y0 Y2	Y1 Y3	Y4~Y17, Y20 ~
		2A/1 (5A/COM)	0.5A/1 (4A/COM)		
		<250VAC, 30VDC	5 ~ 30VDC		
		75VA (.)	12W/1 .		
		90W (.)	(24VDC)		
	Off -> On	.10	2	20	100
	On -> Off		3	30	100
		50	100	10	1

DVP-EX2

	(A/D)		(D/A)	
	$\pm 10$	$\pm 20$	$\pm 10$	0~20
	-2000 ~ +2000	-2000 ~ +2000	-2000 ~ +2000	0 ~ +4000
	12- (5.0 =20 /4000)	12- (10.0 =40 /4000)	12- (5.0 =20 /4000)	12- (5.0 =20 /4000)
	>1 M	250	-	0.5
	-	-	>0.5	<500
	: 1%	: 1%	20	+10V
	2 (	D1118) <sup>#1</sup>	2	<sup>#2</sup>
	$\pm 15$	$\pm 32$		
	2 16-	, 12		
	(	D1062) <sup>#3</sup>		
			,	

		24VDC
DVP16ES200R/T		
DVP24ES200R/T		
DVP32ES200R/T		
DVP40ES200R/T		
DVP60ES200R/T		
DVP20EX200R/T		
DVP24XN200R/T	30	500 (12 )
DVP24XP200R/T		
DVP32XP200R/T	R:25 T: 20	100 (2.4 )
DVP08XM211N	1.2	
DVP08XP211R/T	R: 1.2 T: 1	
DVP08XN211R/T	R: 1.2 T: 0.5	
DVP16XM211N	2.4	
DVP16XP211R/T	R: 2.4 T: 1.6W	
DVP16XN211R/T	R: 2.4 T: 1	
DVP04AD-E2	1	
DVP02DA-E2	1.5	
DVP04DA-E2	3	
DVP06XA-E2	2.5	
DVP04PT-E2	1.5	
DVP04TC-E2	1.2	

32ES200R + 08XP211R + 16XP211R,  
+ 16XN211R,

ES2  
12

(1.2+2.4+2.4) = 6

### DVP16ES200R/T

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	
<b>DVP16ES2-R (8DI/8DO)</b>						
D+	- SG	D+	D-	C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7		

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	
<b>DVP16ES2-T (8DI/8DO)</b>						
D+	- SG	D+	D-	UP ZP Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7		

### DVP24ES200R/T

L N	⊕ NC	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17			
<b>DVP24ES2-R (16DI/8DO)</b>							
D+	- SG	D+	D-	+24V 24G C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7			

L N	⊕ NC	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17			
<b>DVP24ES2-T (16DI/8DO)</b>							
D+	- SG	D+	D-	+24V 24G UP ZP Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7			

### DVP32ES200R/T

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	
<b>DVP32ES2-R (16DI/16DO)</b>							
D+	- SG	D+	D-	C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7 C2 Y10 Y11 Y12 Y13 C3 Y14 Y15 Y16 Y17			

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	
<b>DVP32ES2-T (16DI/16DO)</b>							
D+	- SG	D+	D-	UP0 ZP0 Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 UP1 ZP1 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17			

### DVP40ES200R/T

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	X20 X21 X22 X23 X24 X25 X26 X27	
<b>DVP40ES2-R (24DI/16DO)</b>								
D+	- SG	D+	D-	+24V 24G C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7 C2 Y10 Y11 Y12 Y13 C3 Y14 Y15 Y16 Y17				

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	X20 X21 X22 X23 X24 X25 X26 X27	
<b>DVP40ES2-T (24DI/16DO)</b>								
D+	- SG	D+	D-	+24V 24G UP0 ZP0 Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 UP1 ZP1 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17				

### DVP60ES200R/T

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	X20	
<b>DVP60ES2-R (36DI/24DO)</b>								
D+	- SG	D+	D-	+24V 24G C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 Y6 Y7 C2 Y10 Y11 Y12 Y13 C3 Y14 Y15 Y16 Y17				

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	X10 X11 X12 X13 X14 X15 X16 X17	X20	
<b>DVP60ES2-T (36DI/24DO)</b>								
D+	- SG	D+	D-	+24V 24G UP0 ZP0 Y0 Y1 Y2 Y3 Y4 Y5 Y6 Y7 UP1 ZP1 Y10 Y11 Y12 Y13 Y14 Y15 Y16 Y17				

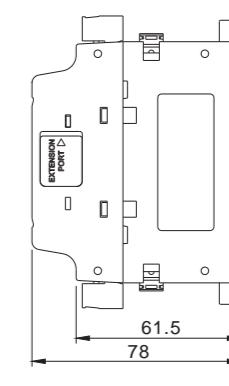
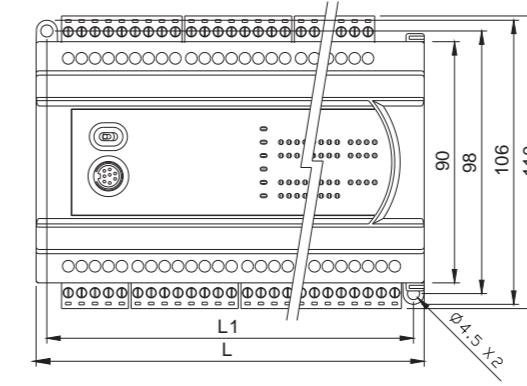
### DVP20EX200R/T

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	FE	V0+ I0+ V10- V1+ I1+ V11- V2+ I2+ V2- DVP20EX2-R (8DI/6DO/4AI/2AO)	
<b>DVP20EX2-T (8DI/6DO/4AI/2AO)</b>								
D+	- SG	D+	D-	+24V 24G C0 Y0 Y1 Y2 Y3 C1 Y4 Y5 FE V3+ I3+ V3- V00 I00 AG VO1 IO1 AG				

L N	⊕ NC	NC+24V	24G	S/S	X0 X1 X2 X3 X4 X5 X6 X7	FE	V0+ I0+ V10- V1+ I1+ V11- V2+ I2+ V2- DVP20EX2-T (8DI/6DO/4AI/2AO)	
<b>DVP20EX2-T (8DI/6DO/4AI/2AO)</b>								
D+	- SG	D+	D-	+24V 24G UP ZP Y0 Y1 Y2 Y3 Y4 Y5 FE V3+ I3+ V3- V00 I00 AG VO1 IO1 AG				

## DVP-ES2/EX2



	16ES200R/T	24ES200R/T	32ES200R/T	40ES200R/T	60ES200R/T	20EX200R/T

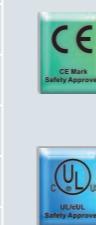
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(24VDC )

DVP-ES2	DVP16ES200R	: 100~240VAC / 272 : 16k : 10k : 2 100 6 100 : 2 100 2 10 ( ) COM- 1 RS-232 2 RS-485; ASCII/RTU; Master Slave / 12- 4AD/2DA	8	8			
	DVP16ES200T		8	8			
	DVP24ES200R		16	8			
	DVP24ES200T		16	8			
	DVP32ES200R		16	16			
	DVP32ES200T		16	16			
	DVP40ES200R		24	16			
	DVP40ES200T		24	16			
	DVP60ES200R		36	24			
	DVP60ES200T		36	24			
/ DVP-EX2	DVP20EX200R	: 100~240VAC / 272 : 16k : 10k : 2 100 6 100 : 2 100 2 10 ( ) COM- 1 RS-232 2 RS-485; ASCII/RTU; Master Slave / 12- 4AD/2DA	8	6			
	DVP20EX200T		4	2			
			8	6			
			4	2			

16- : 0.35 ~ 1  
 32- (MOV): 3.4  
 32- (DMUL): 11.4  
 (DEMUL): 10.3

/ (AC )



/ DVP-ES2/EX2	DVP08XM211N	/ 272 : 16k : 10k : 2 100 6 100 : 2 100 2 10 ( ) COM- 1 RS-232 2 RS-485; ASCII/RTU; Master Slave / 12- 4AD/2DA	-	8	-	
	DVP08XN211R		-	8		
	DVP08XN211T		-	8		
	DVP08XP211R		4	4		
	DVP08XP211T		4	4		
	DVP16XM211N		-	16	-	
	DVP16XN211R		-	16		
	DVP16XN211T		-	16		
	DVP16XP211R		8	8		
	DVP16XP211T		8	8		
/ DVP-ES2/EX2	DVP04AD-E2	<ul style="list-style-type: none"> <li>■ 4 (±10V, ±5V)/            (+20mA, 0~20mA, 4~20mA)</li> <li>■ 14-bit (-32000~+32000)</li> <li>■</li> </ul>				
	DVP04DA-E2					
	DVP02DA-E2					
	DVP06XA-E2					
	DVP04PT-E2					
/ DVP-ES2/EX2	DVP04TC-E2	<ul style="list-style-type: none"> <li>■ 4 Pt1000, Ni100, Ni1000) /0~300 (Pt100,            : 16</li> <li>■</li> <li>■</li> </ul>				



/ DVP-ES2/EX2	DVP24XN200R	: 100~240VAC	-	24			
	DVP24XN200T		-	24			
	DVP24XP200R		16	8			
	DVP24XP200T		16	8			
	DVP32XP200R		16	16			
	DVP32XP200T		16	16			