



FP-X E16X
Expansion
Input Unit

FP-X E14YR
Expansion
Output Unit

Allow flexible streamlined system configuration even with imbalance between inputs and outputs.

Reduce costs and required installation space.

Input specifications (E16X)		
Item	Specifications	
Number of input points	16 points	
Isolation method	Photo-coupler	
Rated input voltage	24 V DC	
Operating voltage range	21.6 to 26.4 V DC	
Rated input current	Approx. 4.3 mA	
Input points per common	8 points (Either the positive or negative of the input power supply can be connected to the common terminal.)	
Min. ON voltage/current	19.2 V/3 mA	
Max. OFF voltage/current	2.4 V/1 mA	
Input impedance	Approx. 5.6 kΩ	
Response time	OFF → ON	0.6 ms or less
	ON → OFF	Same as above
Operating indicator	LED display	

Output specifications (E14YR)		
Item	Specifications	
Number of output points	14 points	
Output type	Relay (1a contact) output	
Rated control capacity (Resistive load)	2 A 250 V AC, 2A 30 V DC (6 A or less/common)	
Output points per common	1 point or 3 points/common	
Response time	OFF → ON	Approx. 10 ms
	ON → OFF	Approx. 8 ms
Life	Mechanical	20 million operations or more (Switching frequency: 180 times/min)
	Electrical	100,000 operations or more (Switching frequency: 20 times/min at the rated control capacity)
Surge absorber	None	
Operating indicator	LED display	

FP-X E16X Input Unit / E14YR Output Unit
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NEW

■ Abundant number of I/O points - Maximum 300

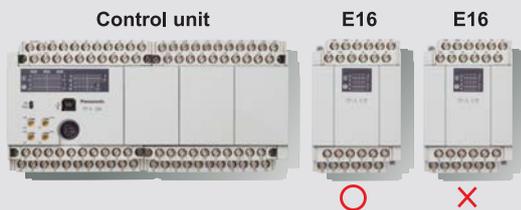
(Up to 382 points possible by using FP0 expansion units and function expansion cassettes)

When the user cannot predict the number of I/O points required in the future for his/her machine or equipment, he/she is uncertain in selecting a PLC model. FP-X solves user concerns with a maximum of 300 I/O points. The number can even be increased up to 382 points by using the expansion cassettes and FP0 expansion units.

- Expansion units can be connected up to eight units.



- Units without a built-in power circuit (E16R, R16T, E16X, and E14YR) cannot be connected to one another.



- They can be connected through the E30 located between them.



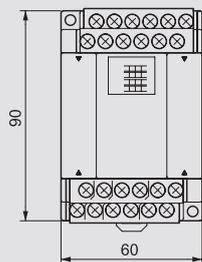
The units can be tightly mounted adjacent to each other with the cable bent inside between the units for saving space.

Dimensions (Terminal configuration) (Unit: mm)

■ AFPX-E16X

(Terminal configuration)

COM	COM	X1	X3	X5	X7
COM	COM	X0	X2	X4	X6

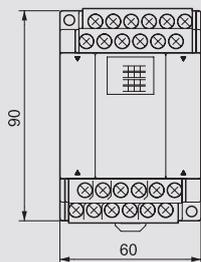


COM	COM	X9	XB	XD	XF
COM	COM	X8	XA	XC	XE

■ AFPX-E14YR

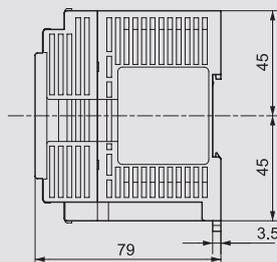
(Terminal configuration)

Y0	Y1	Y2	Y4	Y5	Y7
C0	C1	C2	Y3	C3	Y6



NC	Y8	YA	NC	YB	YD
NC	C4	Y9	NC	C5	YC

■ Common dimensions to AFPX-E16X/E14YR



Part No.

Product name	Specifications	Part No.
FP-X E16X Expansion Input Unit	24 V DC, 16 input points (Note) Two or more of this unit cannot be connected to one another since this unit is not equipped with a built-in power supply circuit. Supplied with an 8 cm extension cable.	AFPX-E16X
FP-X E14YR Expansion Output Unit	2 A relay, 14 output points (Note) Two or more of this unit cannot be connected to one another since this unit is not equipped with a built-in power supply circuit. Supplied with an 8 cm extension cable.	AFPX-E14YR