Programmable Controller

FP-e

* Refer to our website for details of product.

RoHS compliance

*1 Conforming to Low Voltage Directive, EMC Directive

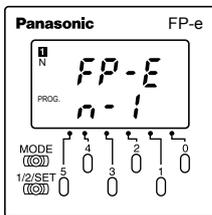Related Information ■ General terms and conditions............. F-3

Features

- **3-color, 5-character and 2-line display**
- **Front operation switch**
- **Easy programming using wizard**
- **Smooth debug with R and I modes**
- **Panel mounted type (IP66)**

panasonic.net/id/pidsx/global

* The **FP-e** will be discontinued at the end of September, 2019.

Panel-mount type all-in-one controller
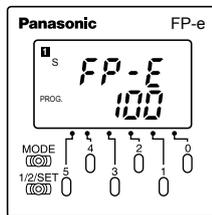## Combination of PLC and display

■ DISPLAY MODES AND FUNCTIONS

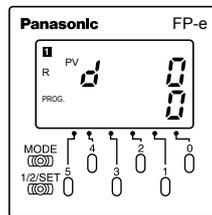**1 N mode** (Normal mode)

Displays any characters and numerical values. Numerical data can be changed.
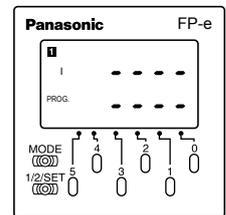
2 S mode (Switch mode)

Display characters and numerical values. Operation switches can be used for input.

3 R mode (Register mode)

Operation memory in the controller can be monitored. Operational data can be changed.

4 I mode (I/O monitor mode)

I/O status (X, Y) can be monitored.

■ SPECIFICATIONS

Item	Part No.	AFPE224300 Basic type (RS-232C)	AFPE224302 Basic type (RS-485)	AFPE224305 Calendar timer type (RS-232C)	AFPE214325 Thermocouple input type (RS-232C)	AFPE214322 Thermocouple input type (RS-485)
Number of controllable I/O points	Control unit	14 points [Input: 8, Output: 6 (Tr. NPN: 5 / Ry: 1)]			12 points [Input: 6, Output: 6 (Tr. NPN: 5 / Ry: 1)]	
	Front switch input	8 points				
Program memory	Built-in memory	Built-in EEPROM				
Program capacity		2,720 steps				
Operation speed		0.9 µs/step (for basic instruction)				
Clock / calendar function		Not available		Year (last two digits), month, day, hour, minute, second and day of week (This function is only used when a battery is installed.)	Not available	
Battery life		Not available		220 days or more [actual usage value: approx. 870 days (+25 °C +77 °F)] Periodic replacement interval: 1 year (Value applies when no power is supplied at all.)	Not available	
Pulse catch input		6 points in total X0 and X1: 50 µs, X2 to X5: 100 µs				
Interrupt input						
COM. Port		RS-232C	RS-485	RS-232C	RS-232C	RS-485
Periodical interrupt		0.5 ms to 30 sec.				
Constant scan		Available				
Password		Available				
Special functions	High-speed counter * The combination of 1-phase × 2 ch. and 2-phase × 1 ch. is also possible for the high-speed counter.	Counter mode: Addition / subtraction (1-phase) , Input points: 4 ch. (Max.)				
		Max. speed: 10 kHz (total of 4 ch.)			Max. speed: 5 kHz	
		Counter mode: 2-phase / Individual / direction decision (2-phase), Input points: 2 ch (Max.)				
		Max. speed: 2 kHz (total of 2 ch.)			Max. speed: 1 kHz	
	Pulse output function Output points	2 independent points (Y0 and Y1) (No interpolation function)				
	Output frequency	40 Hz to 10 kHz (Y0/Y1: 1-point), 40 Hz to 5 kHz (Y0/Y1: 2-point)			40 Hz to 5 kHz (1-point), 40 Hz to 2.5 kHz (2-point)	
	PWM output function Output points	2 points (Y0 and Y1)				
	Output frequency	Frequency: 0.15 Hz to 1 kHz, Duty: 0.1 to 99.9 %				

MEMO

MEMO