

Microprocessor Controller

FY900 / FY800 / FY700 / FY600 / FY400 Series

Applicable for controlling Temperature, Humidity, Pressure, Flow....
Complete sizes for 1/4 DIN, 1/8 DIN, 1/16 DIN, 68mm and Easy for Mounting.

Features

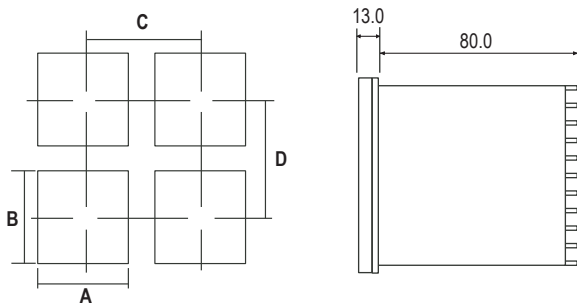
- Multi range input (TC, RTD, mV, mA) each 14Bit resolution
- Auto/Manual operation and Fuzzy/PID control
- E²PROM Non-volatile memory
- Self-diagnosis function and data lock function
- Free Power Range AC85~265V / DC15~50V
- Duplex Output Mode (Heat/Cool), Auxiliary Output PV, SV retransmission
- 17 alarm modes available, and option up to 3 alarm sets
- Implement Zero/Phase control by trig SCR module directly
- RS232 and RS485 communication
- 2 patterns each 8 segments programming procedure available
- 2nd Input can be used in Remote-SV



SPECIFICATION

Display accuracy	Within 0.2% of displayed value + 1 digit	
Sampling Time	250ms	
Output Mode	Relay Output Voltage Output Linear Output Motor Control Output Others	Contact, SPDT, 3A/240Vac Voltage Pulse, 20VDC/20mA 4~20mA, 0~5V, 0~10V, 1~5V, 2~10V Proportional motor 3 wired open loop circuit control 1Φ SSR, 3Φ SSR, 1Φ SCR, 3Φ SCR
General Specification	Power Consumption Ambient Temperature Ambient Humidity	4VA 0°C ~ 50°C 50~85% RH (Non-dew)

Panel Cutout (unit: mm)



Model No.	SIZE	Outline (W x H)	A	B	C	D
FY900	1/4 DIN	96.0x96.0	90.5+0.5	90.5+0.5	111	116
FY800	1/8 DIN	50.0x96.0	44.5+0.5	90.5+0.5	65	116
FY700	68x68mm	74.0x74.0	68.5+0.5	68.5+0.5	89	94
FY600	1/8 DIN	96.0x50.0	90.5+0.5	44.5+0.5	111	70
FY400	1/16 DIN	50.0x50.0	44.5+0.5	44.5+0.5	65	70

HOW TO ORDER

If option for Program model
Add "P" before FY → **P FY 4 0 0 - 1 0 1 0 0 0** -

Dimension	Output 1	Output 2	Alarm	Re-transmission	Remote SV	Communication
4 48x48mm 6 96x48mm 7 72x72mm 8 48x96mm 9 96x96mm	0 None 1 Relay, contact, 3A/240VAC 2 Voltage pulse, 20VDC/20mA 3 4~20mA 4 0~20mA 5 1Φ SSR (zero crossing control) 6 3Φ SSR (zero crossing control) 7 Proportional motor control 8 1Φ SCR (phase angle control) 9 3Φ SCR (phase angle control) A 0~5VDC B 0~10VDC C 1~5VDC D 2~10VDC	0 None 1 Relay 2 Voltage 3 4~20mA A 0~5V B 0~10V C 1~5V D 2~10V	0 None 1 1 set 2 2 sets 3 3 sets A HBA B HBA + AL2 C HBA+AL2+AL3	0 None 1 4~20mA 2 0~20mA A 0~5V B 0~10V C 1~5V D 2~10V	0 None 1 4~20mA 2 0~20mA A 0~5V B 0~10V C 1~5V D 2~10V	0 None 1 RS-232 2 RS-485 3 TTL A RS232-MODBUS B RS485-MODBUS

The initial Input setting is K2 (0.0~400.0°C) if no specified Input.

Water-proof Option Power Specified Input

None
W IP 65 **NEW**
AC 85~265V
D Power DC24V
E Excitation Supply DC24V

PT DIN Pt100
A1 0~20mA
A2 4~20mA
V1 0~1V
V5 0~5V
V10 0~10V

Note 1): With **W** Block means option functions with additional charge.
Note 2): Programmable model can't have Remote SV function.
Note 3): Max. 2 sets of alarm can be ordered if the controller has communication interface.
Note 4): The AL1 contact will be replaced by HBA if option for HBA function.