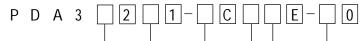
## CC-M

## Fuji Electric Multi-Loop Controller



NUMBER OF CONTROL LOOPS (*1)	CODE	(\$)PRICE
1 Loop	1	1450
2 Loops	2	1950
4 Loops	4	2700

INPUT SIGNAL	CODE	(\$)PRICE
DC 1-5V/4-20mA DC (*2)	А	N/C
Thermocouple (*3)	С	180
RTD/Pt100 (*3)	D	180

POWER SUPPLY VOLTAGE	CODE	(\$)PRICE
100-240V AC	Α	N/C
24V DC	В	N/C

HARD MANUAL BACK-UP UNIT	CODE	(\$)PRICE
None	Υ	N/C
1 Loop	Α	180
2 Loops	В	295
4 Loops	С	355

		NS/MEMORY		
CARD IN	ITERFACE	<b>(</b> *4, *5, *6 <b>)</b>	CODE	(\$)PRICE
MODBUS	MODBUS			
RS-485	OPTO22	Memory Card	Interface	
Without	Without	Without	Υ	N/C
Without	Without	With	M	85
RS485	Without	Without	С	74
RS485	Without	With	U	158
RS485	RS485	Without	D	279
RS485	RS485	With	R	355

PROGRAMMING METHOD	CODE	(\$)PRICE
Wafer	1	N/C
Soft PLC Function (ISaGRAF) (*7)	2	60

## Notes

- (\*1) Number of control loops is the number of 4-20mA 'control' outputs.
- (\*2) For current input, a precision 250 $\Omega$  shunt resistor is used, one per loop is included. Additional resistors available at \$4.25 each.
- (\*3) Thermocouple or RTD inputs are optional. If more are desired, external transducers should be used.
- (\*4) Communication cable and impedance terminators are optional items.
- (\*5) RS-485 communications uses Modbus protocol. OPTO 22 option does not include modules. These are sold separately. To use OPTO 22 equipment, a brain module, module rack, and at least one module must be purchased.
- (\*6) Memory Card option only records trend data using standard compact-flash type memory cards. Cards up to 32MB can be used and are available as COMPACT FLASH\_MB.
- (\*7) ISaGraf conforms to IEC1131. ISaGRAF programming tool is optional item. Soft PLC and Wafer programming cannot function simultaneously. To change programming method between 'Wafer' and 'Soft PLC', hard-ware modification is required.
- (\*8) CC-M Loader Cable to be used with software for uploading and downloading programs from the PC to the CC-M.
- (\*9) To use the OPTO 22 functions, customers must purchase at the minimum, a brain, a rack, and an input or output module.

ACCESSORIES	(\$)PRICE
Compact Flash Card 16MB	85
Compact Flash Card 32MB	160
Compact Flash Card Reader: Parallel Port	90
CC-M Loader Software (*8)	N/C
CC-M Loader Cable (Serial Port Connection) (*8)	35
SNAP-B3000-ENET: OPTO 22 BRAIN (*9)	695
SNAP-B8M: OPTO 22 8-Module Rack	94
SNAP-B16M: OPTPO 22 16-Module Rack	161
SNAP-AOA-3: OPTO 22 Single-Channel 4–20mA AO	150
SNAP-AIV: OPTO 22 2-Channel -10 to +10V DC AI	182
SNAP-ODC5SRC: OPTO 22 4-Channel DC Out	
5-60V DC, 5V DC logic source	42
SNAP-ODC5SNK: OPTO 22 4-Channel DC out	
5-60V DC, 5V DC logic source	42
SNAP-IDC5: OPTO 22 4-Channel Input	
10-32V DC, 5V DC logic	42







