

OTOMATİK KONTROL KONULU PROBLEMLERİNİZDE ÇÖZÜM

Item Name	Model Number	Specifications
NC Control Main Unit	FBs-20MN□◇Δ-⊙	2 points 7920KHz 5VDC differential input, 10 points 24VDC digital input (20KHz), 2 points 7920KHz 5VDC differential output, 6 points (R/T/S) digital output (Model "T" 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
	FBs-32MN□◇Δ-⊙	4 points 920KHz 5VDC digital differential input, 16 Points 24VDC digital input (20KHz for 12 Points), 4 points 7920KHz 5VDC digital differential output, 8 Points (R/T/S) digital output (Model "T" 4 Points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
	FBs-44MN□◇Δ-⊙	8 points 7920KHz 5VDC digital differential input, 20 Points 24VDC digital input (20KHz for 8 points), 8 points 7920KHz 5VDC digital differential output, 8 points (R/T/S) digital output (Model "T" 4 Points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
Advanced Main Unit	FBs-10MC□◇Δ-⊙-XY	6 points 24VDC digital input (2 points 100KHz + 4 points 20KHz), 4 points (R/T/S) digital output (Model "T" 2 points 100KHz + 2 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, I/O is not expandable
	FBs-14MC□◇Δ-⊙-XY	8 points 24VDC digital input (2 points 100KHz + 6 points 20KHz), 6 points (R/T/S) digital output (Model "T" 2 points 100KHz + 4 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, I/O is not expandable
	FBs-20MC□◇Δ-⊙-XY	12 points 24VDC digital input (2 points 100KHz + 10 points 20KHz), 8 points (R/T/S) digital output (Model "T" 2 points 100KHz + 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC
	FBs-24MC□◇Δ-⊙-XY	14 points 24VDC digital input (2ppoints 100KHz + 12 points 20KHz), 10 points (R/T/S) digital output (Model "T" 2 points 100KHz + 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5) built-in RTC, detachable terminal block
	FBs-32MC□◇Δ-⊙-XY	20 points 24VDC digital input (2 points 100KHz + 14 points 20KHz), 12 Points (R/T/S) digital output (Model "T" 2 points 100KHz + 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
	FBs-40MC□◇Δ-⊙-XY	24 points 24VDC digital input (2 points 100KHz + 14 points 20KHz), 16 points (R/T/S) digital output (Model "T" 2 points 100KHz + 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
	FBs-60MC□◇Δ-⊙-XY	36 points 24VDC digital input (2 points 100KHz + 14 points 20KHz), 24 points (R/T/S) digital output (Model "T" 2 points 100KHz + 6 points 20KHz output), 1 RS232 or USB port (expandable up to 5), built-in RTC, detachable terminal block
Basic Main Unit	FBs-10MA□◇Δ-⊙-XY	6 points 24VDC digital input (up to 10KHz in 4 points), 4 Points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3), I/O is not expandable
	FBs-14MA□◇Δ-⊙-XY	8 points 24VDC digital input (up to 10KHz in 4 points), 6 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3), I/O is not expandable
	FBs-20MA□◇Δ-⊙-XY	12 points 24VDC digital input (up to 10KHz in 4 points), 8 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3)

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		FBs-24MA□◇Δ-◎-XY	14 points 24VDC digital input (up to 10KHz in 4 points), 10 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3)
		FBs-32MA□◇Δ-◎-XY	20 points 24VDC digital input (up to 10KHz in 4 points), 12 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3)
		FBs-40MA□◇Δ-◎-XY	24 points 24VDC digital input (up to 10KHz in 4 points), 16 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3)
		FBs-60MA□◇Δ-◎-XY	36 points 24VDC digital input (up to 10KHz in 4 points), 24 points (R/T/S) digital output (Model "T" has 4 points 10KHz output), one RS232 or USB port (can be expanded up to 3)
Expansion Power		FBs-EPOW-◎	Power supply for expansion module, with single 5VDC and dual 24VDC voltage output and up to 20VA capacity
Digital Expansion Unit		FBs-24EAP□◇-◎	14 points 24VDC digital input, 10 points (R/T/S) digital output, built-in power supply
		FBs-40EAP□◇-◎	24 points 24VDC digital input, 16 points (R/T/S) digital output, built-in power supply
		FBs-60EAP□◇-◎	36 points 24VDC digital input, 24 points (R/T/S) digital output, built-in power supply
Digital I/O Module	Digital Expansion Unit	FBs-8EA□◇	4 points 24VDC digital input, 4 points (R/T/S) digital output
		FBs-8EX	8 points 24VDC digital input
		FBs-8EY□◇	8 points (R/T/S) digital output
		FBs-16EA□◇	8 points 24VDC digital input, 8 points (R/T/S) digital output
		FBs-16EY□◇	16 points (R/T/S) digital output
		FBs-20EX	20 points 24VDC digital input
		FBs-24EA□◇	14 points 24VDC digital input, 10 points (R/T/S) digital input
		FBs-40EA□◇	24 points 24VDC digital input, 16 points (R/T/S) digital output
		FBs-60EA□◇	36 points 24VDC digital input, 24 points (R/T/S) digital output
	High-Density Digital Expansion Module	FBs-24EX	24 points high-density 24VDC digital input, 30-Pin Header with latch
		FBs-24EYT	24 points high-density transistor Sink type digital output (0.1A max.), 30-Pin Header with latch
	Numeric I/O Expansion Module	FBs-7SG1	1 set (8 digits) 7 segment LED display (or 64 Points independent LED) output display module, 16-Pin Header connector
		FBs-7SG2	2 set (16 digits) 7 segment LED display (or 128 Points independent LED) output display module, 16-Pin Header connector
		FBs-32DGI	8 set 4 digits (total 32 digits) Thumbwheel switch (or 128 Points independent switch) multiplex input module, 30-Pin Header connector
	Analog Expansion Module	FBs-6AD	6 channel, 14 bits analog input module (-10V~0V~+10V or -20mA~0mA~+20mA)
		FBs-2DA	2 channel, 14 bits digital output module (-10V~0V~+10V or -20mA~0mA~+20mA)
		FBs-4DA	4 channel, 14 bits digital output module (-10V~0V~+10V or -20mA~0mA~+20mA)
		FBs-4A2D	4 channel, 14 bits analog input 2 channel, 14 bits digital output combo analog module(-10V~0V~+10V or -20mA~0mA~+20mA)
	Temperature	FBs-TC2	2 channel thermocouple temperature input module with 0.1 resolution

Item Name		Model Number	Specifications
	Input Module	FBs-TC6	6 channel thermocouple temperature input module with 0.1 resolution
		FBs-RTD6	6 channel RTD temperature input module with 0.1 resolution
		FBs-TC16	16 channel thermocouple temperature input module with 0.1 resolution
		FBs-RTD16	16 channel RTD temperature input module with 0.1 resolution
Communication Expansion Module		FBs-CM22	2 port RS232 (Port3 + Port4) communication module
		FBs-CM55	2 port RS485 (Port3 + Port4) communication module
		FBs-CM25	1 port RS232 (Port3) + 1 port RS485 (Port4) communication module
		FBs-CM25E	1 port RS232 (Port3) + 1 port RS485 (Port4) + Ethernet network interface communication module
		FBs-CM55E	1 port RS485 (Port3) + 1 port RS485 (Port4) + Ethernet network interface communication interface
		FBs-CM25C	General purpose RS232 RS485 Converter with optical isolation
		FBs-CM5R	General purpose RS485 Repeater with optical isolation
		FBs-CM5H	General purpose 4-port RS485 HUB with optical isolation
Communication Expansion Board		FBs-CB2	1 port RS232 (Port2) communication board
		FBs-CB22	2 port RS232 (Port1 + Port2) communication board
		FBs-CB5	1 port RS485 (Port2) communication board
		FBs-CB55	2 port RS485 (Port1 + Port2) communication board
		FBs-CB25	1 port RS232 (Port1) + 1 port RS485 (Port2) communication board
		FBs-CBE	1 port Ethernet communication board
		FBs-232P0-9F-150	FBs-Main unit Port0 RS232 to 9Pin female D-Sub communication cable, 150cm long
		FBs-232P0-9M-400	FBs-Main unit Port0 RS232 to 9Pin male D-Sub communication cable, 400cm long
		FBs-USBP0-180	FBs-Main unit Port0 USB communication cable (standard USB A B)
Memory Pack		FBs-PACK	FBs-PLC Program memory pack with 20Kword program, 20Kword register, and write protection switch
Programming Device		FP-07C	Hand held programmer for FBs-PLC
		WinProladder	WinProladder Programming software for Windows
Others		FATEK Comm. Server	FATEK DDE communication server
		FBs-XTNR	Extension cable adapter
		HD30-22AWG-200	Include 22AWG I/O cable for 30Pin Header connector, 200cm long (for FBs-24EX, -24EYT, and -32DGI)
16/7 Segment LED Display Board		DBAN.8(DBAN.8LEDR)	0.8 " X16 segment display board (with red LED installed)
		DBAN2.3(DBAN2.3LEDR)	2.3 " X16 segment display board (with red LED installed)
		DB.56 (DB.56LEDR)	0.56 " X7 segment display board (with red LED installed)
		DB.8 (DB.8LEDR)	0.8 " X7 segment display board (with red LED installed)
		DB2.3 (DB2.3LEDR)	2.3 " X7 segment display board (with red LED installed)
		DB4.0 (DB4.0LEDR)	4.0 " X7 segment display board (with red LED installed)
Simple People Human Machine Interface		FB-DAP-B	16X2 LCD character display, 20key keyboard, 24VDC power supply, RS-485 communication interface (suffixed R means wireless read card module included)

Item Name	Model Number	Specifications
	FB-DAP-C	16X2 LCD character display, 20key keyboard, 5VDC power supply, RS232 communication interface (suffixed R means wireless read card module included)
RFID Card	CARD-1	Read-only wireless card (for FB-DAP-BR/CR)
	CARD-2	Read/Write wireless card(for FB-DAP-BR/CR)
Education and Training Kit	FBS-TBOX	46cm X 32cm X 16cm suitcase, containing FBs-24MCT main unit, FBs-CM25E communication module (RS232 + RS485 + Ethernet network), 14 simulated input switches, 10 external relay isolation output, Doctor terminal outlet I/O, peripherals such as stepping motor, encoder, 7 segment display, 10 of 10mm LED indicator, thumbwheel switch, and 16key keyboard.

1. □: Blank-relay output , T-transistor output
2. ◇: Blank-Sink(NPN) , J-Source(PNP)
3. Δ: Blank-built-in RS232 port , U-built-in USB port
4. ☉: Blank-100~240VAC power supply , D-24VDC power supply
5. Specifications are subject to changes without further notice.
6. XY: (optional),The expanding 120KHz inputs(X) and output(Y), there are 1~6 Points can be expanded for both X,Y.
Example:FBs-24MCT-21,Its means expanding 2 points of 120KHz input(total 4 points) and 1 point of 120 KHz output(total 3 points).
And FBs-24MCT-02 means only expanding 2 points of 120KHz output(total 4 points).