

MELSEC FX2N PLC

BASE UNIT

AC POWERED 24V DC INPUT TYPE
 DC POWERED 24V DC INPUT TYPE
 AC POWERED 110V AC INPUT TYPE

EXPANSION UNIT

AC POWERED
 DC POWERED
 INPUT AND OUTPUT EXTENSION BLOCK

OTHER ACCESSORIES

MEMORY CASSETTE
 BATTERY
 HANDHELD PROGRAMMING TOOL

BASE UNIT

AC POWER, 24V DC INPUT TYPE

Model	Total No of I/O	Inputs		Outputs	
		Number	Type	Number	Type
FX2N –16MR-ES/UL	16	8	Sink / Source selectable	8	Relay
FX2N –16MT-ESS/UL					Transistor (Source)
FX2N –16MT-E/UL			Sink		Transistor (Sink)
FX2N –32MR-ES/UL	32	16	Sink / Source selectable	16	Relay
FX2N –32MS-E/UL			Sink		Triac
FX2N –32MT-ESS/UL			Sink / Source selectable		Transistor (Source)
FX2N –32MT-E/UL			Sink		Transistor (Sink)
FX2N –48MR-ES/UL	48	24	Sink / Source selectable	24	Relay
FX2N –48MS-E/UL			Sink		Triac
FX2N –48MT-ESS/UL			Sink / Source selectable		Transistor (Source)
FX2N –48MT-E/UL			Sink		Transistor (Sink)
FX2N –64MR-ES/UL	64	32	Sink / Source selectable	32	Relay
FX2N –64MT-ESS/UL					Transistor (Source)
FX2N –80MR-ES/UL	80	40	Sink / Source selectable	40	Relay
FX2N –80MT-ESS/UL					Transistor (Source)
FX2N –128MR-ES/UL	128	64	Sink / Source selectable	64	Relay
FX2N –128MT-ESS/UL					Transistor (Source)

DC POWER, 24V DC INPUT TYPE

Model	Total No of I/O	Inputs		Outputs	
		Number	Type	Number	Type
FX2N –16MR-DS	16	8	Sink / Source selectable	8	Relay
FX2N –16MT-DSS					Transistor (Source)
FX2N –32MR-DS	32	16	Sink / Source selectable	16	Relay
FX2N –32MT-DSS					Transistor (Source)
FX2N –48MR-DS	48	24	Sink / Source selectable	24	Relay
FX2N –48MT-DSS					Transistor (Source)
FX2N –64MR-DS	64	32	Sink / Source selectable	32	Relay
FX2N –64MT-DSS					Transistor (Source)
FX2N –80MR-DS	80	40	Sink / Source selectable	40	Relay
FX2N –80MT-DSS					Transistor (Source)

AC POWER, 110V AC INPUT TYPE

Model	Total No of I/O	Inputs		Outputs	
		Number	Type	Number	Type
FX2N –16MR-UA1/UL	16	8	110V AC	8	Relay
FX2N –32MR-UA1/UL	32	16	110V AC	16	Relay
FX2N –48MR-UA1/UL	48	24	110V AC	24	Relay
FX2N – 64MR-UA1/UL	64	32	110V AC	32	Relay

EXPANSION UNIT - Powered Extension Units

AC POWER TYPE

Model	Total No of I/O	Inputs			Outputs	
		Number	Voltage	Type	Number	Type
FX2N –32ER-ES/UL	32	16	24VDC	Sink / Source selectable	16	Relay
FX2N –32ET-ESS/UL						Transistor (Source)
FX2N –48ER-ES/UL	48	24	24VDC	Sink / Source selectable	24	Relay
FX2N –48ET-ESS/UL						Transistor (Source)
FX2N –48ER-UA1/UL	48	24	110V AC		24	Relay

DC POWER TYPE

Model	Total No of I/O	Inputs			Outputs	
		Number	Voltage	Type	Number	Type
FX2N –48ER-DS	48	24	24VDC	Sink / Source selectable	24	Relay
FX2N –48ET-DSS						Transistor (Source)

INPUT AND OUTPUT EXTENSION BLOCKS

Model	Total No of I/O	Inputs			Outputs	
		Number	Voltage	Type	Number	Type
FX0N –8ER-ES/UL	8*	4	24V DC	Sink / Source selectable	4	Relay
FX0N –8EX-ES/UL	8	8		Sink / Source selectable	-	-
FX0N –8EX-UA1/UL	8	8	110V AC		-	-
FX0N –16EX-ES/UL	16	16	24V DC	Sink / Source selectable	-	-
FX2N –16EX-ES/UL	16	16		Sink / Source selectable	-	-
FX0N –8EYR-ES/UL	8	-	-	-	8	Relay
FX0N –8EYT-ESS/UL		-	-	-		Transistor (Source)
FX0N –16EYR-ES/UL	16	-	-	-	16	Relay
FX0N –16EYT-ESS/UL		-	-	-		Transistor (Source)
FX2N –16EYR-ES/UL	16	-	-	-	16	Relay
FX2N –16EYS		-	-	-		Triac SSR
FX2N –16EYT-ESS/UL		-	-	-		Transistor (Source)

* - Actual I/O 8 points Occupied I/O 16 Points

OTHER ACCESSORIES

MEMORY CASSETTE

FX-RAM-8

RAM memory cassette. The RAM memory in this cassette can be used to expand the existing FX2N RAM memory to 16000 steps. Battery backup for power failure is supplied by the FX2N series PLC

FX-EEPROM-4 / FX-EEPROM-8 / FX-EEPROM-16

EEPROM memory cassette. This memory cassette can be written to by the PLC and does not require battery backup. This memory cassette is equipped with a Write Protect Switch to safeguard programs.

1. FX-EEPROM-4 (Up to 4000 steps)
2. FX-EEPROM-8 (Up to 8000 steps)
3. FX-EEPROM-16 (Up to 16000 steps)

FX-EPROM-8

EPROM memory cassette. This memory cassette can be written to by a commercial ROM writer or ROM writer FX-20P-RWM. An ultraviolet eraser is required to delete programs. This memory does not require battery backup.

BATTERY

F2-40BL

Battery for memory backup. This battery backs up the RAM memory and the optional RAM memory cassette. This battery is required also to backup the retentive relays, data registers, timers, counters, and the RTC data. Life for battery : Approx. 5 years or Approx 3 years when the RAM cassette is used. (Guarantee Life – 1 Year)

HANDHELD PROGRAMMING TOOL

FX-10P-E/FX-20P-E

1. Program in instruction list
2. Monitor data for Timers, Counters and Memory registers
3. Perform failure diagnosis, test functions, or maintenance and debugging
4. The liquid crystal screen is easy to read
5. The panel is small and light making it easy to carry