

# SPECIFICATIONS OF THE FX-128MR-ES

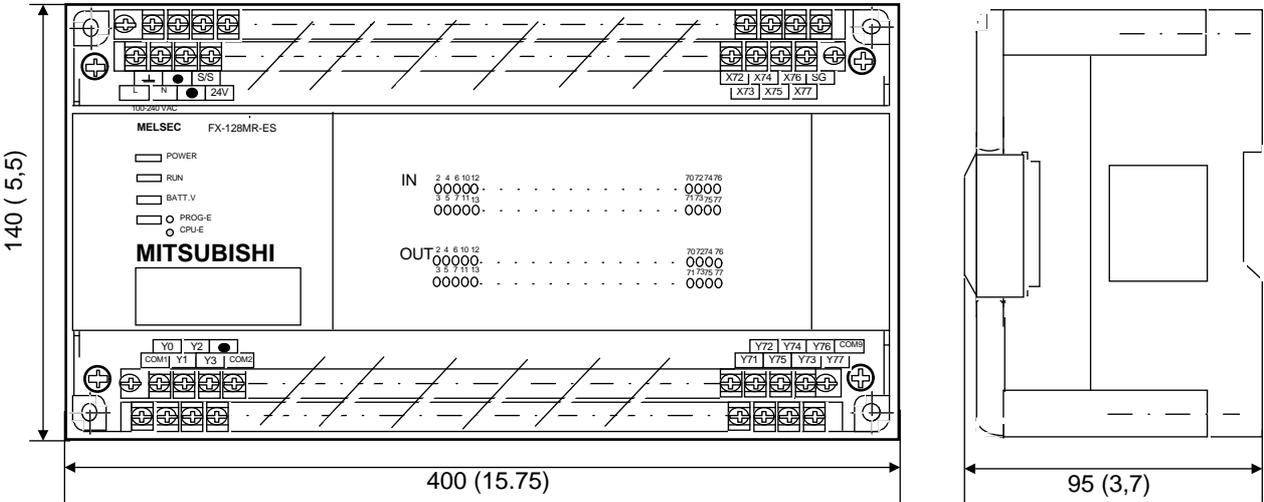
**Introduction**

The FX-128MR-ES is a micro PC with a 128 I/O capacity. The inputs for this unit are 24V DC and the outputs are relay. The power supply for the PC is 24V DC. The FX-128MR-ES is expandable up to 256 I/O points by using expansion units and blocks. The total system I/O may also include dedicated special function blocks.

**Specification**

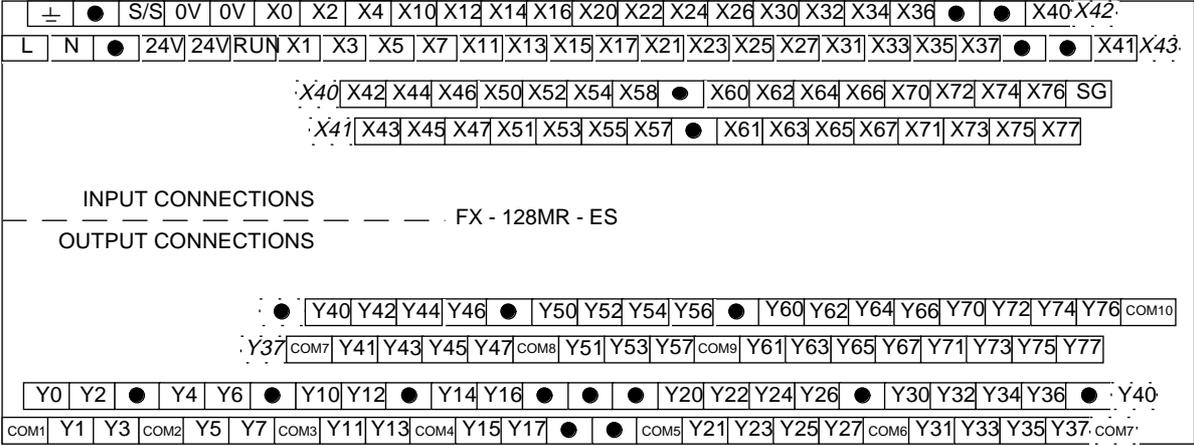
PARAMETER		SPECIFICATION
External dimensions		400 x 140 x 95 mm      15.75 x 5.5 x 3.7 inches
Weight		4.0 kg      8.8 lbs
Power requirements		100 -240VAC
Power consumption		100 VA
Service supply (without Extension Blocks)		24 V DC Max. 400 mA (V 1.2) or 460 mA (V2.0 or after)
Fuse rating		250 V, 5A time lagged fuse
In-Rush Current		100 V AC MAX. 50A <7ms ; 200V AC MAX. 70A <7 ms
I/O	Total I/O capacity	Standard base unit is 128 I/O Can be expanded to 256 I/O. with expansion blocks / expansion unit.
	I/O split	Standard base unit has 64 inputs and 64 outputs
Programming		All Mitsubishi FX hand held programmers, also various versions of MEDOC.
Mounting facilities		4 x4.0 mm (0.157 inch) dia. integral mounting holes
		35 mm (1.38 inch) DIN rail (DIN standard 46277)

**Diagrammatic Layout of the FX-128MR-**



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**Terminal Layout**



**Operating Features**

**I/O device specification**

INPUT SPECIFICATION		RELAY OUTPUT SPECIFICATION	
Input current	DC 24V 7mA	Rated current	2A/point and for the two [COM9] terminals 10A max. each
Input sensitivity current	OFF ⇒ ON 4.0 mA or more ON ⇒ OFF 1.5 mA or less	Load voltage	250V AC, 30V DC or less
Response time	Approx. 10ms, variable response time using REFF instruction, FNC51	Maximum load	80VA (inductive) 100W (lamp)
		Response time	Approx 10ms

**Mounting Details**

