

# MNC-100

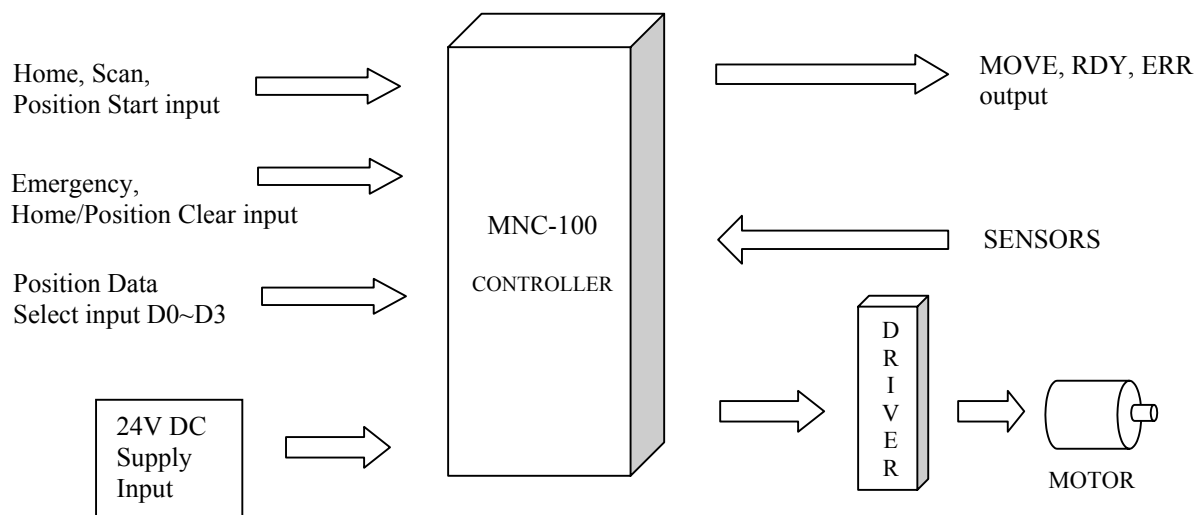
## Compact Type One Axis Controller

### < Features >

- Simple control by direct position entry
- LCD Display with simple key entry
- Pre-stored up to 15 Positions
- Individual speed selection for each position possible
- Up to 10 different pre-set speed setting
- External trigger single axis controller
- Each pre-stored position can be selected individually
- Automatic sequential position start possible
- Built-in Home Function available
- External Emergency Stop available



### System Overview



## MNC-100 Specifications

Items	Contents				
Control System	Microprocessor control system (Z80 compatible) Pulse Output Controlled by MYCOM's pulse generator LSI, MPG1020				
Number of axes	One axis.				
Controlled motors	Stepping motor				
Program Capacity	Position Data	15 positions (Position stored in Serial EEPROM, writing 10 <sup>5</sup> times)			
Acceleration / Deceleration	Trapezoidal or triangular				
Command System	Key Input, Remote start signal (Sequential start / Specific position start )				
Moving Distance command system	Absolute Specification				
Remote Function	Home search, Scanning, Position Data moving, Emergency stop, Current position clear				
Panel Control	Home search, Scanning, Index moving, Position data moving, Position data editing, Position data storing, Speed setting				
Start Speed and Maximum Speed	1 to 65,535 Hz				
Acceleration / Deceleration speed	1 to 1,900 Hz/msec				
Setting range of Moving distance	Available moving range setting ( 0 to ± 8,000,000 )				
Setting range of a moving command	0 to ± 8,000,000				
Driver Interface	Output for clock (Open collector )	<ul style="list-style-type: none"> <li>• 1 clock ( Gate control )</li> <li>• 2 clocks ( Bi-clock or CW/CCW control )</li> </ul>			
Mechanical Sensor Interface	<ul style="list-style-type: none"> <li>• Both ends over-run limits</li> <li>• Home sensor</li> </ul>				
Exclusive Input/Output	Input	8 points	Photo-coupler isolated 5mA internal power source (+24V) used. External start signal (H_ST, S_ST, P_ST) Emergency Stop signal (EMER) Specific position signal (D0 to D3)		
	Output	3 points	Photo-coupler isolated Open collector output, 13mA, less than dielectric strength 35V Error Output (ERR), Ready output (RDY), Moving Output (MOVE)		
Display	LCD display, 16 characters x 2 lines				
Parameter	System Setting, Data Clear				
Input Power	DC +24V ± 10%, less than 0.15Amp				
Environment (without condensation)	Operating	Temperature	0 ~ 45°C	Humidity	30 to 80%
	Storing		0 ~ 60°C		20 to 90%
Dimension	101 (W) x 98 (D) x 40.6 (H) mm ( excluding protuberance )				
Weight	500g				

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