

# Anywire Corporation

## MECHATROLINK Bit Distributed I/O Terminal

### AB023-M1

## Features

Some Decentralizations of MECHATROLINK

- For Wiring Saving in Control Board and Machinery Wiring  
Saving in Control Board and small point which need intensive I/O setting respond flexibly to be decentralized Wiring Saving in Machinery. It is possible to assemble a required I/O point Terminal with just connecting it enough.
- Reduction of Number of Exclusive Nodes  
The connection limit for MECHATROLINK- I is 14 nodes and for MECHATROLINK- II is 20 nodes.  
Up to a 28/40 connection point is a limit of MECHATROLINK 2 points Digital I/O Terminal. If, however, you use Bit Distributed I/O Terminal, 128 Distributed Terminals of the 1 to 16 units can be placed with just occupying one node. Two Universal Electric Wires offer a max 192 points (MECHATROLINK- I )/432 points (MECHATROLINK- II ) connection including power source and signal line.



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## Specifications

Item	Specifications
I/O Points	MECHATROLINK- I : 192 points (IN96 + OUT96) MECHATROLINK- II : 432 points (IN216 + OUT216)
Wiring Port	1Port
The number of Terminal Connection	Maximum 128
Wiring Connection Distance	Total Extension 50m maximum
Transmission Cycle Time (The value of one cycle time)	4.8ms / I/O192 points 8.9ms / I/O432 points* In case of* is MECHATROLINK- II only
Wiring Connection Cable	Universal Two Wires (VCTF 0.75 to 1.25sq) Universal Electric Two Wires (0.75 to 1.25sq)
Power Source	DC24V+15 to -10%, Ripple is less than 0.5Vp-p
Dissipation Power	0.2A
Environmental Temperature	0 to +55°C (storage temperature: -20 to +75°C)
Environmental Hythergraph	10 to 90%RH (no condensation)
Atmosphere	Where there is no corrosive gas or flammable gas
Dimensions [mm]	40×100×66 (not include Protrusion)
Mass	170g

## MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Intelligent I/O	×	×	×
Transmission cycle		2ms	1ms	1ms, 1.5ms, 2ms

## Contact Information

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