

W-M1B501

16 Channels Digital Input / 16 Channels Digital Output Module



Main Features

- Support Dry / Wet Contact
- Input Resistance 10KΩ
- Normal Output Current 500mA per Channel
- Communication Protocol: Modbus RTU



Introduction

W-M1B501, 16-channel digital input and output, it includes the features of photo couple isolation and source type output with short circuit protection. W-M1B501 can be rugged enough in a difficult environment, but it still retains the feature of friendly configuration.

Specification

Model Name	W-M1B501 (16 Channels)	
<u>Digital Input</u>		
Input Impedance	10 KΩ	
Over-Voltage Protection	70 VDC	
Frequency Range	100 Hz (16 bit)	
Dry Contact	Logic Level 0: Open; Logic Level 1: Close to GND	
Wet Contact	Logic Level 0: 3V (Max.); Logic Level 1: 10 to 50V	
<u>Digital Output</u>		
Output Type	NPN	
Output Voltage Range	3.5 – 30 VDC	
Frequency Range	100 Hz (16 bit)	
Normal Output Current	500mA per Channel	
Operate / Release Time	10 ms Max. / 5 ms Max.	
Electrical Endurance	100000 ops. @ 5A resistive load	
<u>General</u>		
Interface	RS-485	
Communication Protocol	Modbus RTU	
Communication Speed	From 1200 to 115.2k bps	
Communication Distance	1.2 km at 9.6 kbps	
Power Requirement	10 - 60 VDC	
Power Consumption	4.8W @ 24 VDC	
Watchdog Timer	System (1.6 Second Fixed)	
LED Indicators	PWR, Comm, Program, Status	
Intra-Module Isolation, Field-to-Logic	2500 VDC	
<u>Environment</u>		
Temperature		
-25 to +70 °C (Operating)		
-30 to +75 °C (Storage)		
Operating Relative Humidity:		
10% to 90% (non-condensing)		
<u>Dimension</u>		
Weight: 65g (Average)		
Dimension: 472mm x 121mm x 120mm		
<u>Ordering Information</u>		
W-M1B501		
16 Channels Digital Input and		
16 Channels Digital Output Modules		