

Energom-M122/M522

2 channels Analog Input
2 channels output Module

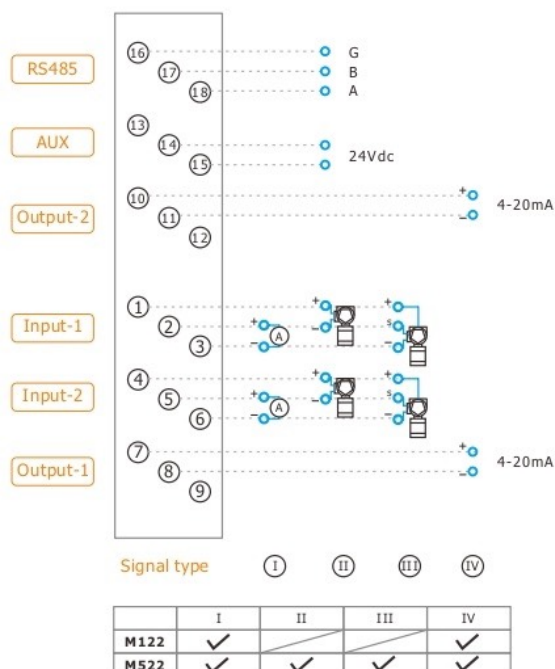


Description

The analog input module provides isolation between 2-channels current inputs, 2-channels current outputs, power, and network circuits. Energom-M522 provide 24V loop excitation current.

Support RS-485 Modbus RTU protocol, can be works as independent signal isolator with communication. Multiple M series modules combine with MWG1 to build remote I/O DAS system.

Typical wiring



Technical characteristics

Power supply:	
Power Supply	15~30Vdc or 10~24Vac
Power Consumption	M122 ≅ 1.5W, M522 ≅ 2.5W
I/O capacity:	
Valid input range	4-20mA *2 (Full input range 0-24mA)
Output range	4-20mA *2 (Full output range 0-24mA)
Response Time	< 10ms
Accuracy	±0.05% F.S. (Calibrating Temp. 25±2 C)
Temperature drift	25PPM/C
Zero Drift	Auto Calibration
A/D resolution	24 bit
Input Impedance	200Ω
Input distribution voltage	≈ 22V
Isolation & Protection:	
Insulation Resistor	> 100MΩ / 500V between the input / output
Isolation Strength	AC1500v 1min between all terminal
Distribution current limit	≈ 30mA
With current input reverse protection & Input overcurrent protection	
Other:	
Operation Temp.	-10~70 C
Ambient Temp. / Humi.	-40 ~ 85 C / ≅ 95% RH
Dimensions	113 X 109 X 17.5mm
Terminal Wiring Way	Screw mounting, AWG #26-12
Standard	EN61326 : 1997+A1: 1998+A2 : 2001+A3 : 2003
LED Indicator	Normally lighting indicates power supplied and working normally, blinking indicates digital communication is under way.