

Energom-M140/M540

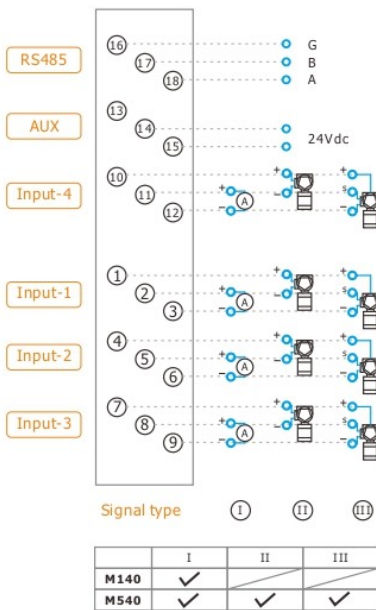
4 channels
Analog Input Module

Description

The analog input module provides isolation between 4-channels current inputs, power, and network circuits. Energom-M540 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 | M140 ≅ 1.5W, M540 ≅ 2.5W |
| I/O capacity: | |
| Valid input range | 4-20mA *4 (Full input range 0-24mA) |
| Response Time | < 10ms |
| Sampling ratio | 10times/sec |
| 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 |
| 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. |