L-8024

4 analog output channels and 4 digital input channels module

Features

◆ 4 isolation analog output channel.

◆ 14 bits Analog Resolution

◆ Programmable voltage/current range with slew rate.

◆ 4 channels isolation digital input

◆ 3000 Vrms isolation voltage for A/O channel

◆ Programmable power-on value and safe value

◆ Programmable host watchdog timer for host failure protection.

◆ Support ASCII format and Modbus-RTU protocol

■ Specifications

✧ Interface: RS-485, 2 wires

✧ Speed: 1200, 2400, 4800, 9600, 19.2K, 38.4K , 115.2K

✧ Protocol: ASCII protocol and Modbus-RTU protocol

✧ Analog output :
  ➢ Output type: mA, V
  ➢ Analog Channels Numbers: 4
  ➢ Analog Resolution: 14 bits
  ➢ Output Range: 0~20 mA, 4~20 mA, 0~+5V, ±5V, 0~+10V and ±10V
  ➢ Programmable Output Slope : 0.125 to 2048 mA/Second
    0.0625 to 1024 V/Second
  ➢ Current Load Resistor: External 24V/1050 ohms
  ➢ Voltage Output : 5mA max.
  ➢ Accuracy : ±0.1% of FSR for current output
    ±0.2% of FSR for voltage output
  ➢ Zero Drift: Voltage output : ±30μV/°C
    Current output : ±0.2μA/°C
  ➢ Span Temperature Coefficient: ±25 ppm/°C
  ➢ Isolation voltage : 3000VDC

✧ Isolation Digital Input:
  ➢ Channel: 4
  ➢ Logical level 0: +1V max.
  ➢ Logical level 1: +10 ~ +30Vdc
  ➢ Isolation voltage : 3750Vrms

✧ Internal watchdog timer for device failure protection.

✧ High ESD protection level up to 25 kV.

✧ Power And Data Flow LED Indicator

✧ Power Requirement:
  ➢ Power input : +10V to +30VDC
  ➢ Power Consumption : 2.4W

Order information

L-8024 :

4 analog output channels and 4 digital input channels module.

Flexble OEM/ODM design

■ Block Diagram