

# ANALOG to RS-485 ISOLATED CONVERTER

## DCRS-A-0310M

### FEATURES

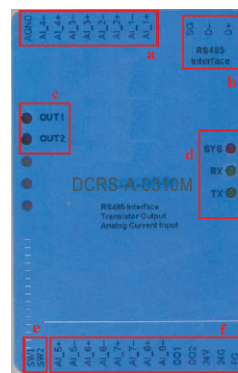
- ModBus protocols for RTU
- Analog input points x 8; Digital output points x 2
- Support 4 analog input modules: 0~10 Vdc / 1~5 Vdc / 0~20 mAdc / 4~20 mAdc
- High stability, non-flammable case (PC), high safety



### SPECIFICATION

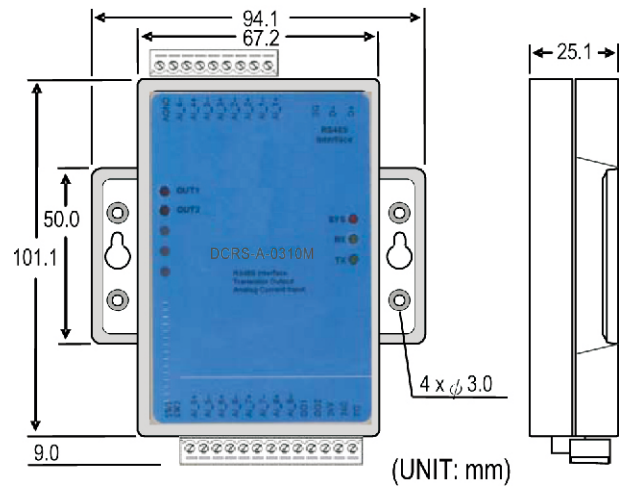
- ◆ LED Indication:
  - SYS: High brightness red round LED
  - RX: High brightness red round LED
  - TX: High brightness green round LED
  - OUT1: High brightness red round LED
  - OUT2: High brightness red round LED
- ◆ Ethernet Port: 10M Base-T x 1
- ◆ CPU: 8051 microcontroller
- ◆ Flash Memory: 64 KB
- ◆ Memory: 32 KB
- ◆ Protocol Support: ModBus/RTU, ModBus/ASCII
- ◆ System Configuration: Serial console (ID, Baud Rate)
- ◆ Analog Input Points: 8 points, DC 24V / 0.2A
- ◆ Input Ranges:
  - 0~10Vdc / 1~5Vdc / 0~20mAdc / 4~20mAdc
  - 0~10Vdc Input: SW1:ON, SW2: OFF
  - 1~5Vdc Input: SW1:ON, SW2: ON
  - 0~20mAdc Input: SW1:OFF, SW2: OFF
  - 4~20mAdc Input: SW1:OFF, SW2: ON
- ◆ Function Switch:
- ◆ Input Impedence:
  - Voltage: 10MΩ
  - Current: 250Ω
- ◆ Resolution: 16 bit
- ◆ Digital Output Points: 2 points, DC 24V
- ◆ Output Type: NPN / Sink
- ◆ Response Time: 8 msec
- ◆ Operating Temperature: 0~55°C
- ◆ Operating Humidity: 20~95% RH (non-condensing)
- ◆ Storage Temperature: -10~70°C
- ◆ Storage Humidity: 20~95% RH (non-condensing)
- ◆ Terminal Resistance: 120Ω
- ◆ Installation: Surface mount, wall mount

### FRONT PANEL



- a. 9PIN Terminal Block
- b. RS485 Port
- c. Output LED Indicator
- d. Communication LED Indicator
- e. 2 PIN DIP Switch
- f. 13 PIN Terminal Block

### DIMENSION



### WIRING CONNECTION

- Digital Output

