RATTLER | IO

Extender Module - 6 x AI | 4 x DI | 4 x DO

DESCRIPTION:

- Six current input channels: DC0~20mA / DC4~20mA
- Four optoelectronic isolation digital input channels (Low-level input)
- Four optoelectronic isolation digital output channels (NPN collector output)
- RS485 MODBUS RTU standard communication protocol
- Communication, digital input, and digital output status LEDs
- Used for signal collection and control in the industrial sector
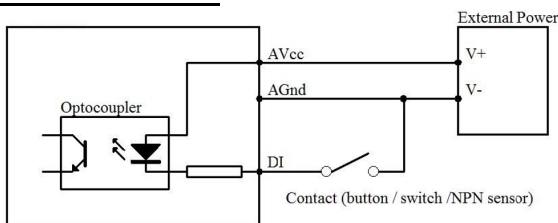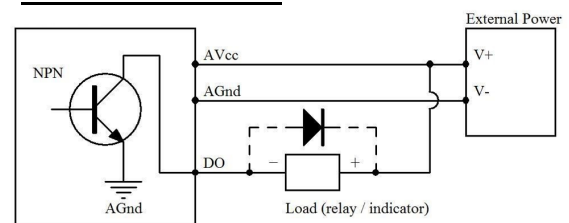- Rattler 3i supports one or more extender modules

COMMUNICATION:
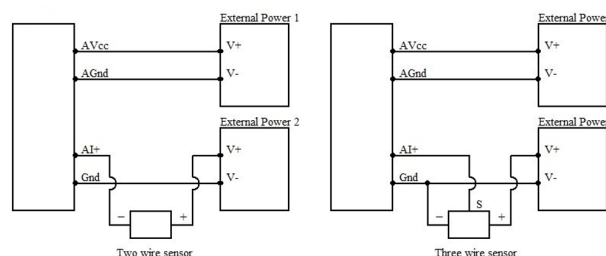
- RS485 Port - MODBUS RTU

APPLICATION DIAGRAMS:

DIGITAL INPUT

DIGITAL OUTPUT

ANALOG INPUT

RATTLER | IO

6 x AI | 4 x DI | 4 x DO Specification

SPECIFICATION:

Analog Input Channel	6ch
Analog Input Range	DC0~20mA / DC4~20mA
Analog Input Accuracy	±0.02mA
Digital Input Channel	4ch (Low-Level Input)
Digital Output Channel	4ch (NPN Collector Output, 500mA)
Working Temperature	-20 to 70°C
External Power Supply	DC9V-30V/2W
Isolation Protection	DC1500V

INTERFACE:

AVcc	External Power Supply Input Positive
AGnd	External Power Supply Input Negative / Power Ground
AI_1+	Analog Input Channel 1
AI_2+	Analog Input Channel 2
AI_3+	Analog Input Channel 3
AI_4+	Analog Input Channel 4
AI_5+	Analog Input Channel 5
AI_6	Analog Input Channel 6
Gnd	Current Input Channel Negative / Common Analog Ground
Gnd	Current Input Channel Negative / Common Analog Ground
DI_01	Digital Input Channel 1
DI_02	Digital Input Channel 2
DI_03	Digital Input Channel 3
DI_04	Digital Input Channel 4
DO_01	Digital Output Channel 1
DO_02	Digital Output Channel 2
DO_03	Digital Output Channel 3
DO_04	Digital Output Channel 4
485B	RS485 Signal B-
485A	RS485 Signal A+

Rattler System

Rattler 3i with Extender Module