

EN4AI

EXTENSION IO MODULE

Processing Analog(NTC/0- 10VDC/4-20ma)/Digital Input Signal

Easy integration of I/Osystem in on-site processes. Customer specific configuration of I/O- module onrequest (inputs and/or outputs).Modbus RS-485 protocol interface

TECHNICAL SPECIFICATION

- Analog Input: NTC/0-10V / 12 bit ADC
- Communication: Modbus RS485
- Operating Temp: 0-50 DegC
- Operating Humidity: 0-95% RH
- Mounting : Dinrail
- Dimension:110 x 100x 60mm
- Casing: ABS

Application:

- AHU SA/RA Temp,CHW Temp

Easy to Use:

- Since Modules are Modbus RS485 Communication ,so this Module can be used as Extension module and above Application system can be easily integrated



System Architecture (BMSDDCEN4AI)



AHU SA/RA Temp,CHW Temp/ A/M/ELEC Volt Free Sts/System Command

System Requirements

- IO Modules can be commissioned using Modbus Master (Modscan) via serial or BMSCPU2PG1 via IP without programming knowledge.
- **Mounting:** DIN RAIL
- **Operating Voltage:** 24 V AC/DC
- Modscan or Modbus Master Utility Software for Commissioning
- USB to RS485 or Modbus Gateway/Modbus Master for Integrating IO Module

Technical Features:

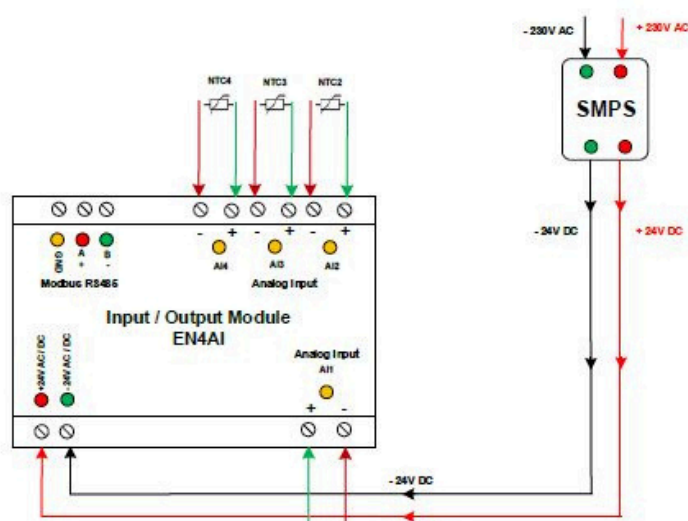
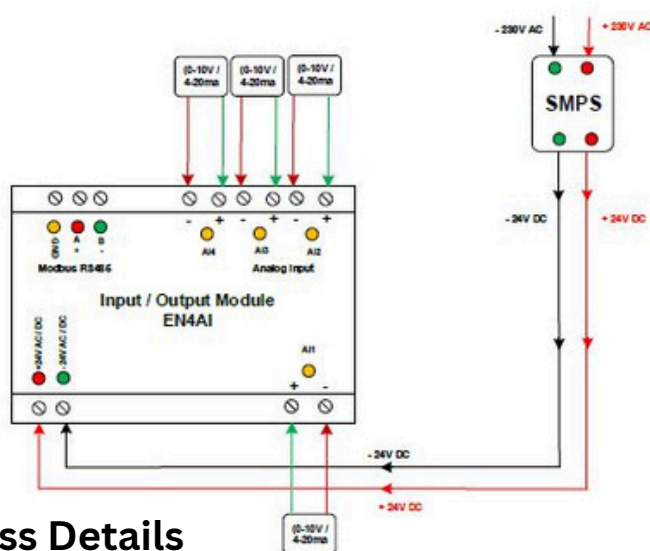
- No Configuration required
- Easily Integration to BMSCPU2PG1 or any Third party Modbus Master

Zero Minimal Down Time:

- Incase of failure of IO Module, We can replace IO module on immediate , System can be retained without any additional programing skill.

Turnkey Solution :

- Modules are modular concept, We can able to design and multiply turnkey projects using this modular IO Modules.

EN4AI – NTC Wiring Diagram**EN4AI – (0-10V DC/ 4-20ma) Wiring Diagram****4AI Address Details**

S.No	I/O Points	Modbus Address	Modbus Type
1	AI-1 (0-10V DC) / (4-20ma)	40002	HOLDING REGISTER
2	AI-2 (0-10V DC) / (4-20ma)	40003	HOLDING REGISTER
3	AI-3 (0-10V DC) / (4-20ma)	40004	HOLDING REGISTER
4	AI-4 (0-10V DC) / (4-20ma)	40005	HOLDING REGISTER
5	AI-1 (NTC)	40006	HOLDING REGISTER
6	AI-2 (NTC)	40007	HOLDING REGISTER
7	AI-3 (NTC)	40008	HOLDING REGISTER
8	AI-4 (NTC)	40009	HOLDING REGISTER