

EN4DIAI3DO2AO

EXTENSION IO MODULE

Processing Analog Input/Output Signal (NTC/0-10VDC/4- 20ma)/Digital Input/Digital Output Signal ☑ Easy integration of I/O-system in on-site processes. ☑ Customer specific configuration of I/O-module onrequest (inputs and/or outputs).. ☑ Modbus RS-485 protocol interface

TECHNICAL SPECIFICATION

- Digital Input: Volt Free Contact
- Digital Output: 230V,3 A Relay Output
- Analog Input: NTC/0-10V DC/4-20ma
- Analog Output: 0-10V DC
- 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
- AHU SA/RA Temp,CHW Temp ☐ AHU/FCU/Chiller
- AHU/FCU/CHILLER COMMAND
- AHU/VFD/Speed Control/ Feedback
- Modulating Damper Control/Feedback

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 (BMSDDCEN4DDAM)



System Requirements

- IO Modules can be commissioned using Modbus Master (Modscan) via serial or BMSNCPU3PG1 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 BMSNCPU2PG1 or any Third party Modbus Master

Zero Minimal Down Time:

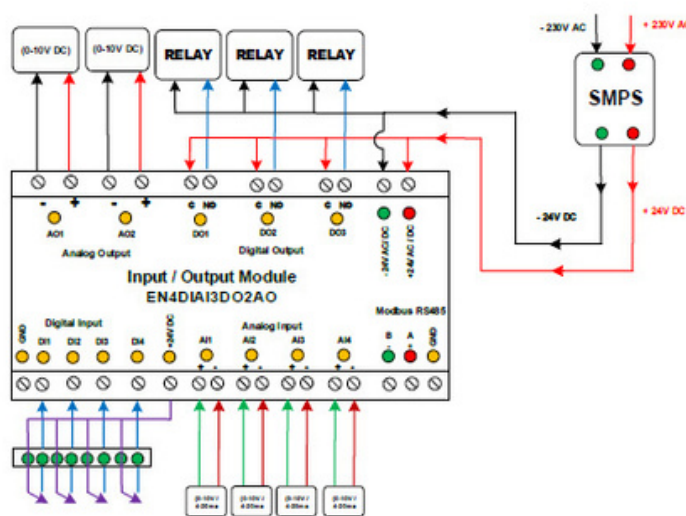
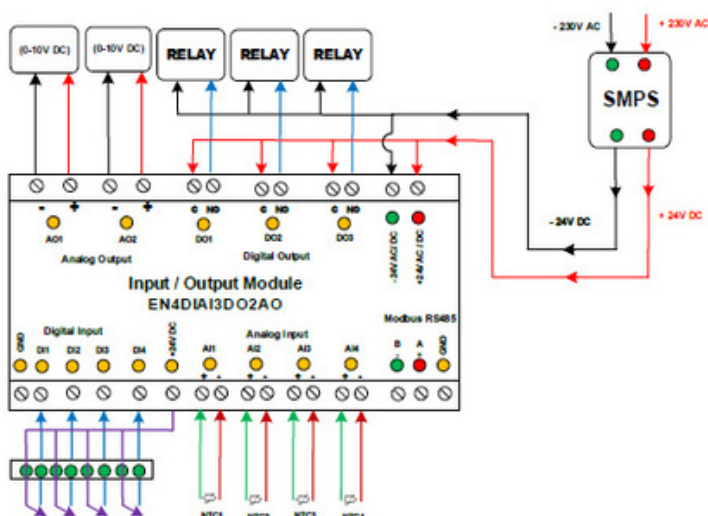
- Incase of failure of IO Module, We can replace IO module on immediate , System can be retained without any additional proگرامing skill.

Turnkey Solution :

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

EN4DIAI3DO2AO – (NTC) Wiring Diagram

EN4DIAI3DO2AO – (0-10V DC / 4-20ma) Wiring Diagram



Why Choose US

We have the solution for you! By featuring seamless and adaptive, vendor-neutral, open-protocol solutions in building automation, be it for maintenance, retrofits or upgrades.

EN4DIAI3DO2AO Address Details

S.No	I/O Points	Modbus Address	Modbus Type
1	DI-1	10001	INPUT STATUS
2	DI-2	10002	INPUT STATUS
3	DI-3	10003	INPUT STATUS
4	DI-4	10004	INPUT STATUS
5	DO-1	5	COIL STATUS
6	DO-2	6	COIL STATUS
7	DO-3	7	COIL STATUS
8	AI-1 (0-10V DC) / (4-20ma)	40002	HOLDING REGISTER
9	AI-2 (0-10V DC) / (4-20ma)	40003	HOLDING REGISTER
10	AI-3 (0-10V DC) / (4-20ma)	40004	HOLDING REGISTER
11	AI-4 (0-10V DC) / (4-20ma)	40005	HOLDING REGISTER
12	AI-1 (NTC)	40006	HOLDING REGISTER
13	AI-2 (NTC)	40007	HOLDING REGISTER
14	AI-3 (NTC)	40008	HOLDING REGISTER
15	AI-4 (NTC)	40009	HOLDING REGISTER
16	AO-1 (0-10V)	40010	HOLDING REGISTER
17	AO-2 (0-10V)	40011	HOLDING REGISTER

SERVICES AVAILABLE

Technical Support , Installation and Setup
Maintenance , Application Support ,
Hardware Support, Warranty

APPROVAL

CE, RoHs