

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:

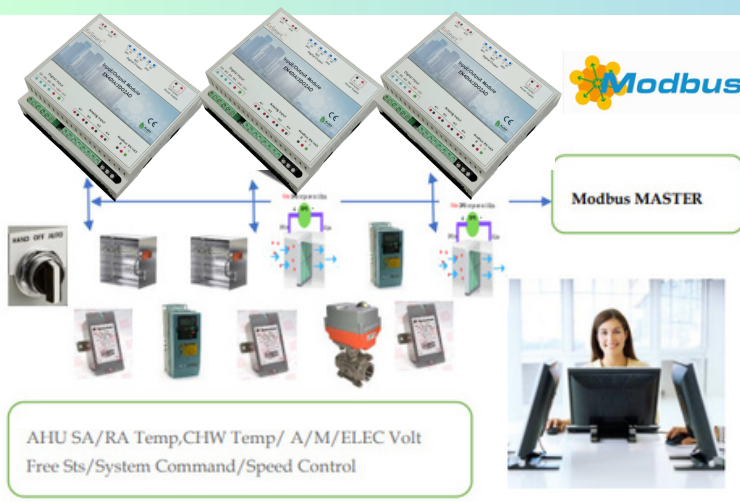
- AHU SA/RA Temp,CHW Temp
- AHU SA/RA Temp,CHW Temp AHU/FCU/Chiller
- AHU/FCU/CHILLER COMMAND
- AHU/VFD/Speed Control/ Feedback
- Modulating Damper Control/Feedback

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 commisioned using Modbus Master (Modscan) via serial or BMSNCPU3PG1 via IP without programming knowlegde.
- **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:

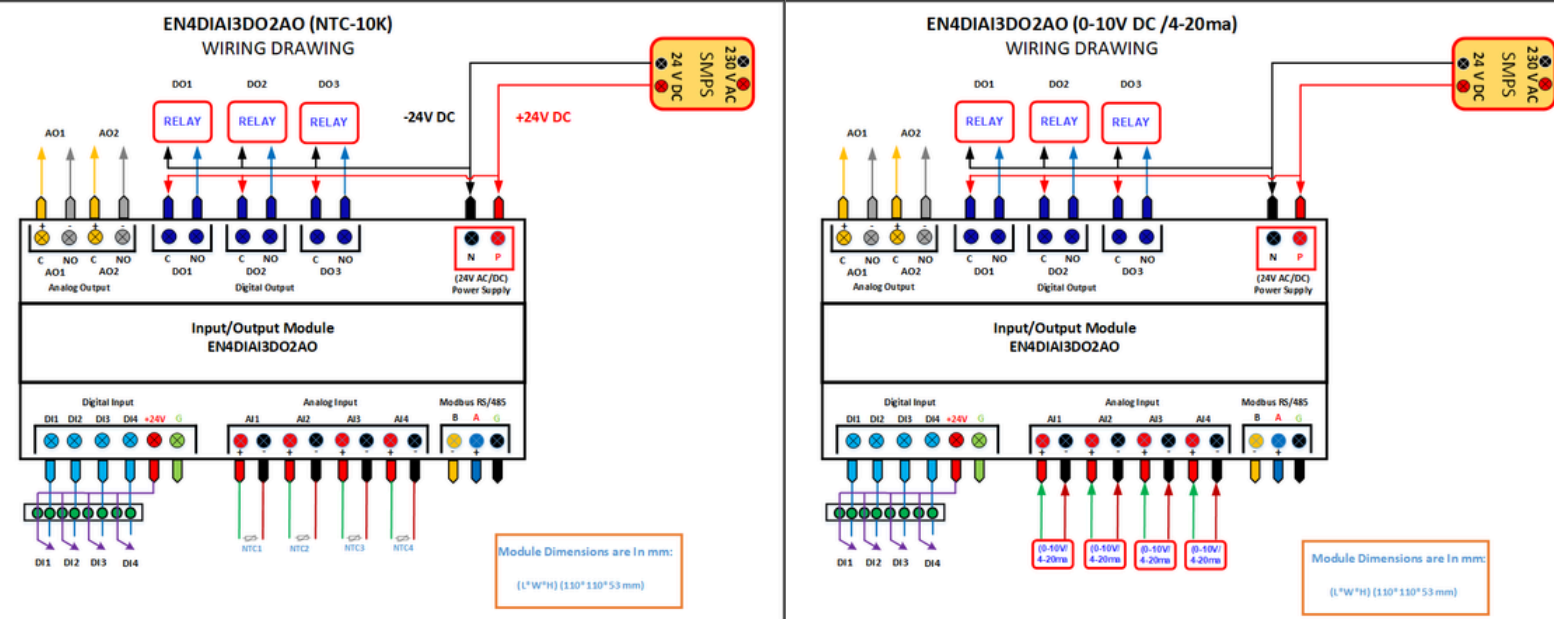
- No Configuration required
- Easily Integration to BMSNCPU2PG1 or any Third party Modbus Master

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.



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