

EN4DDAM

EXTENSION IO MODULE

Processing Analog(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 on request (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 / 12 bit ADC
- Communication: Modbus RS485
- Operating Temp: 0-50 DegC
- Operating Humidity: 0-95% RH
- Mounting : Dinrail
- Dimension: 110 x 100 x 60mm
- Casing: ABS

Easy to Use:

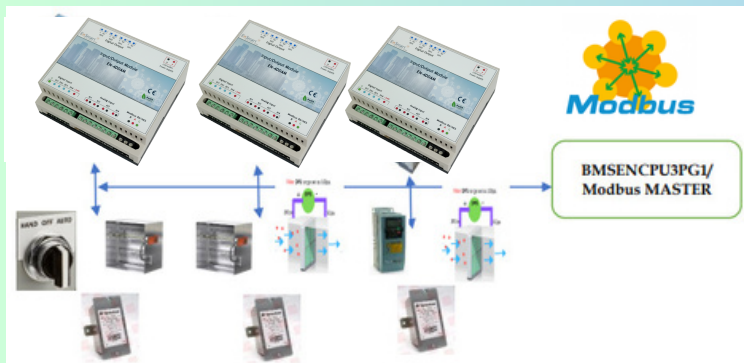
Since Modules are Modbus RS485 Communication, so this Module can be used as Extension module and above Application system can be easily integrated

Application:

- AHU SA/RA Temp, CHW Temp
- AHU/FCU/Chiller A/M, Run/Trip/Filter Sts
- AHU/FCU/CHILLER COMMAND



System Architecture (BMSDDCEN4DDAM)



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 BMSDCPU3PG1 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 BMSDCPU2PG1 or any Third party Modbus Master

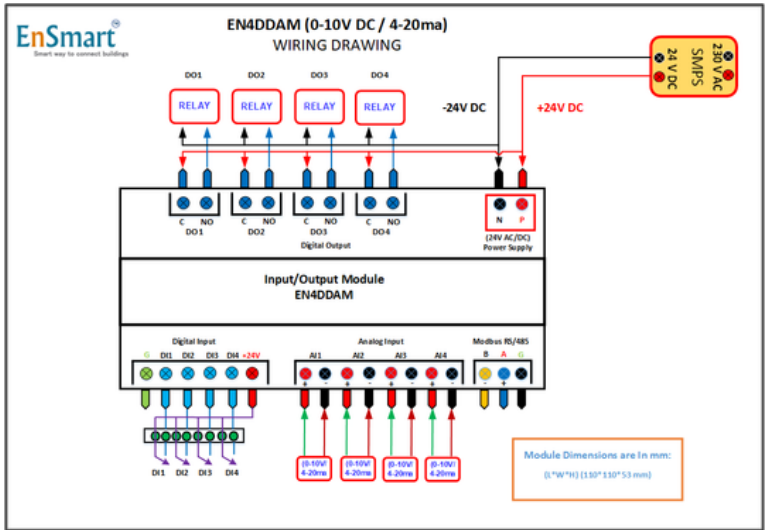
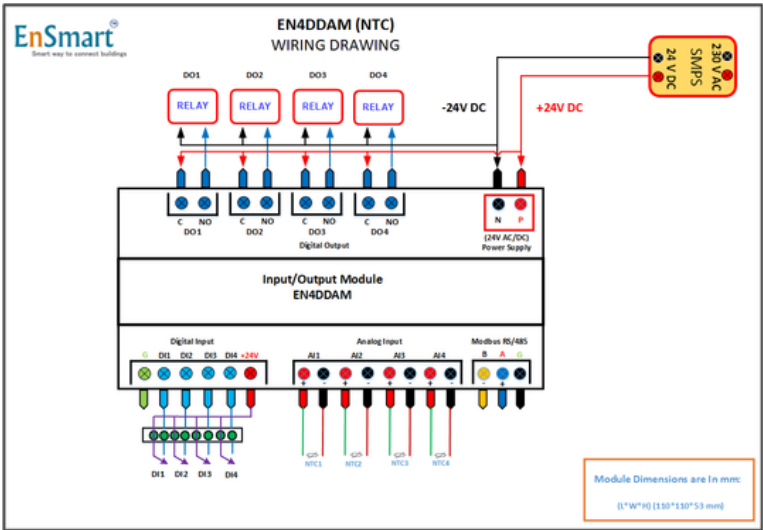
Zero Minimal Down Time:

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

Turnkey Solution :

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

EN4DDAM 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.

4DDAM 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	DO-4	8	COIL STATUS
9	AI-1 (0-10V DC) / (4-20ma)	40002	HOLDING REGISTER
10	AI-2 (0-10V DC) / (4-20ma)	40003	HOLDING REGISTER
11	AI-3 (0-10V DC) / (4-20ma)	40004	HOLDING REGISTER
12	AI-4 (0-10V DC) / (4-20ma)	40005	HOLDING REGISTER
13	AI-1 (NTC)	40006	HOLDING REGISTER
14	AI-2 (NTC)	40007	HOLDING REGISTER
15	AI-3 (NTC)	40008	HOLDING REGISTER
16	AI-4 (NTC)	40009	HOLDING REGISTER

SERVICES AVAILABLE

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

APPROVAL

CE, RoHs