

EN40

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

- Analog Output: 4-20ma
- Communication: Modbus RS485
- Operating Humidity: 0-95% RH
- Operating Temp: 0-50 DegC
- Mounting : Dinrail
- Dimension: 110 x 100 x 60mm
- Casing: ABS

Application:

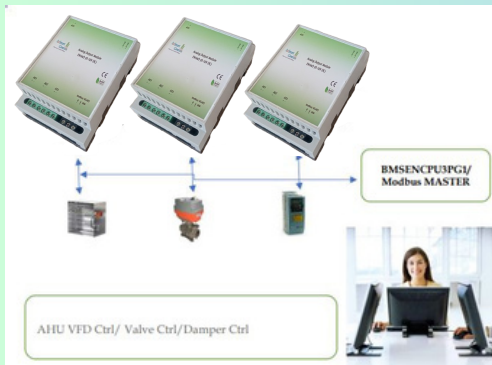
- AHU VFD Speed Control
- AHU Valve Speed Control
- PUMP VFD Speed Control
- Modulating Damper Speed Control

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 (BMSDDCEN4AO)



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 BMSDDCEN4AO 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 BMSDDCEN4AO 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.

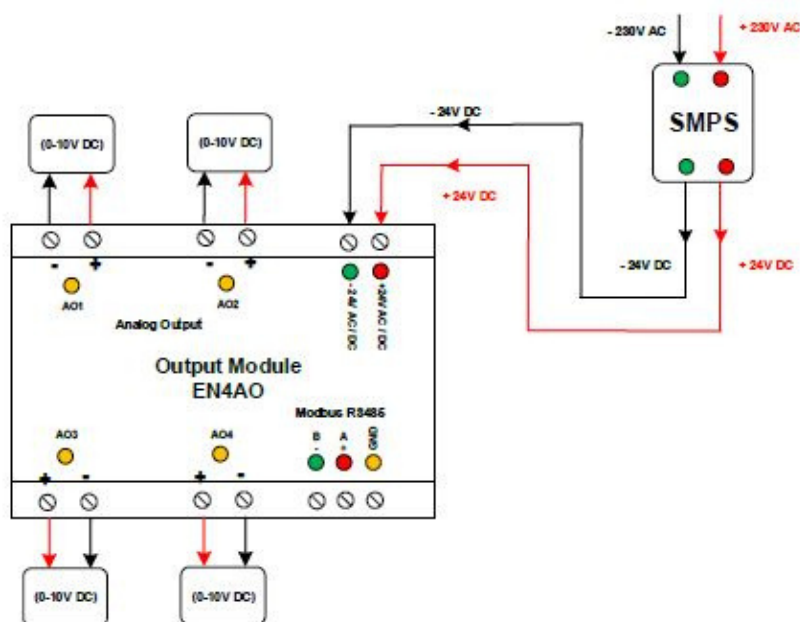
Turnkey Solution :

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

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.

EN4AO Wiring Diagram



4AO Address Details

S.No	I/O Points	Modbus Address	Modbus Type
1	AO-1 (0-10V)	40001	HOLDING REGISTER
2	AO-2 (0-10V)	40002	HOLDING REGISTER
3	AO-3 (0-10V)	40003	HOLDING REGISTER
4	AO-4 (0-10V)	40004	HOLDING REGISTER