EnSmart

ENAIAO

EXTENSION IO MODULE

Modbus RS485 Multiple Baud Rate Options Easy Multiplication Processing Analog 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

- Analog Input: 0-10 V DC or 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 70x 70mm
- Casing: ABS

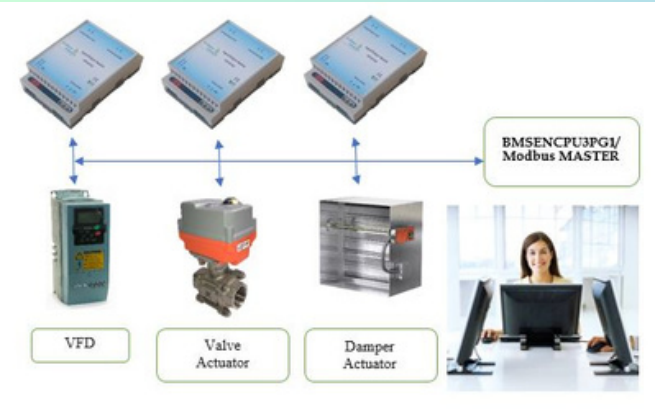
Application:

- AHU VFD Speed Control/Feedback
- AHU Valve Speed Control/Feedback
- PUMP 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 integarted

System Architecture (BMSDDCEN1AI1AO)



Modbus

System Requirements

- IO Modules can be commissioned using Modbus Master (Modscan) via serial or BMSENCPU2PG1 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 BMSENCPU2PG1 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.

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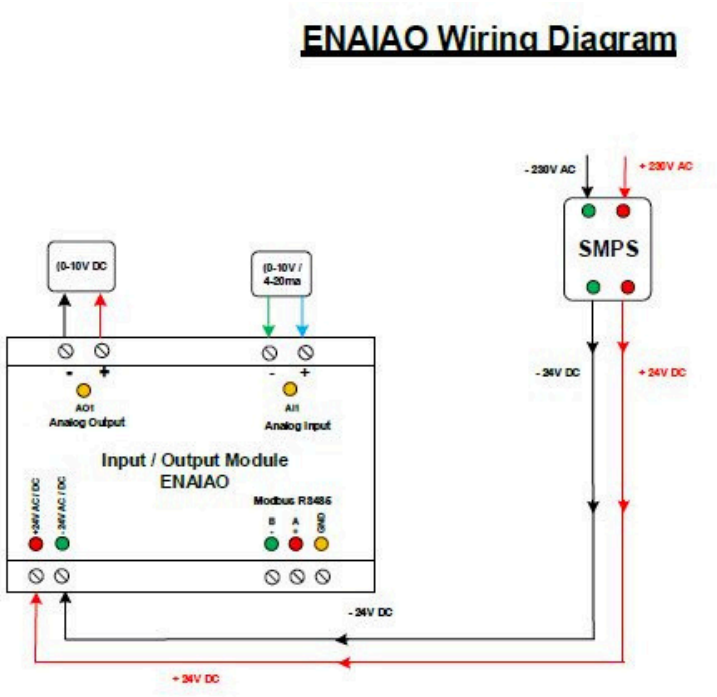
Wiring Diagram ENAIAO



Modbus

All Dimensions are In mi

(L*W*H) (110*70*70mm)

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.

1AI1AO Address Details

S.No	I/O Points	Modbus Address	Modbus Type
1	AI-1 (0-10V DC) / (4-20ma)	40001	HOLDING REGISTER
2	AO-1 (0-10V DC)	40004	HOLDING REGISTER