

SFAR-1M-2DI2DO

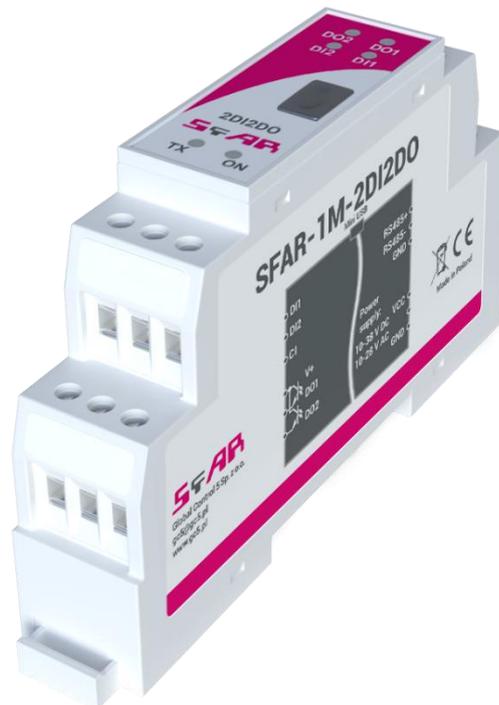
SFAR-1M-2DI2DO has 2x DI (Digital Inputs) and 2x DO (Digital Outputs). Digital Inputs can work as fast pulse counter up to 1 kHz, support PNP or NPN input types. Digital Outputs are PNP transistor outputs with maximum load 250 mA, 55 V DC. All inputs and outputs are separated from power supply and RS485 block with use of optical isolators.

Built-in RS485 interface allows to easy connection over Modbus RTU/ASCII protocol with a PLC makes the modules an external I/O. The use of 32-bit ARM core processor provides fast processing and communication with the baud rate from 2400 to 115200 bps. The module is equipped with a set of LEDs used to indicate the status of inputs, outputs, power supply and RS485 communication. This feature is useful for diagnostic purposes and helping to find errors.

Built-in mini USB allows for initial configuration of the unit without power supply.

Key Features

- 2x opto-isolated Digital Input
- 2x opto-isolated Digital Output
- Every DI works as 32-bit impulse counter or time counter
- Support for encoder
- 55 V @ 250 mA per output
- Built-in LEDs for device status indication
- Modbus RTU/ASCII communication
- Baud rate: 2400 bps to 115200 bps
- Up to 128 modules on the bus
- Built-in mini USB type B port for configuration
- Space-saving housing, DIN rail mount



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Specification

Digital Inputs (DI)

- Input type: PNP or NPN
- Fast pulse counter up to 1 kHz
- Time counting in ms for active input
- DI1-DI1- 1x encoder support

Digital Outputs (DO)

- Transistor output (PNP) max. 250 mA, 55 V DC

Platform

- ARM Cortex-M3

Communication

- Interface RS485 half-duplex
- Up to 128 devices on the bus
- Protocol: Modbus RTU/ASCII
- Baud rate: 2400 to 115200 bps
- Interface mini USB type B

Power supply

- 12-24 V DC \pm 20%

Housing

- Dimension WxHxD: 17x90x56 mm
- Construction: UL approved, self-extinguishing plastic (PC/ABS)
- DIN rail mounting DIN (DIN EN 50022 norm)
- Cooling: internal air circulation

Environment

- Operating temperature: -10°C to 50°C
- Storage temperature: -40°C to 85°C
- Relative humidity: 5% to 95%, no condensation
- Ingress Protection Rating: IP40 – for indoor installation

Dimensions

