

Schneider Series Service Manual

170MCI02136

1. Description

Designed for flexibility, the 170MCI02136 I/O Controller by Schneider Electric operates efficiently within the Modicon Momentum series. This controller leverages Modbus Plus communication technology and is powered by a 5 V DC supply.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type I/O Controller
Product	Line Modicon Momentum
Part	Number 170MCI02136
Communication	Port Modbus Plus
Supply	Voltage 5 V DC
RoHS	Compliant Yes
Configuration	Port RS-232 (via adapter)
Protocol	Support Modbus, Modbus Plus
Mounting	Type DIN rail or panel
Memory	Type Flash + SRAM
Operating	Temperature 0°C to +60°C
Digital	I/O Support Yes
Storage	Temperature -40°C to +85°C
Analog	I/O Support Optional via expansion

3. Product Information

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Technical specifications for 170MCI02136

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Product Type I/O Controller

Product Line Modicon Momentum

Part Number 170MCI02136

Communication Port Modbus Plus

Supply Voltage 5 V DC

RoHS Compliant Yes

Configuration Port RS-232 (via adapter)

Protocol Support Modbus, Modbus Plus

Mounting Type DIN rail or panel

Memory Type Flash + SRAM

Operating Temperature 0°C to +60°C

Digital I/O Support Yes

Storage Temperature -40°C to +85°C

Analog I/O Support Optional via expansion

The 170MCI02136, part of Schneider Electric's Modicon Momentum range, serves as a comprehensive I/O Controller designed for industrial applications. This module operates effectively with a supply voltage of 5 V DC and supports multiple communication protocols including Modbus Plus. The configuration is made simple thanks to an RS-232 port, which allows for easy setup when paired with an adapter.

This controller is versatile in terms of mounting options, suitable for both DIN rail and panel installations, catering to varying installation needs in control systems. Its memory is a combination of Flash and SRAM, ensuring reliable performance and data integrity.

The operating temperature range for the 170MCI02136 extends from 0°C to 60°C, while it is engineered to withstand storage temperatures from -40°C up to 85°C, making it resilient in diverse environments. This controller includes support for digital I/O, ensuring it can handle various input and output configurations effectively. Optional analog I/O support is available through expansion modules, allowing for further customization to meet specific application requirements. Notably, this module also complies with RoHS standards, reflecting its commitment to environmentally responsible manufacturing.