

Schneider Series Service Manual

170BDM09000

1. Description

The Schneider Electric 170BDM09000 is a discrete I/O module within the Modicon Momentum series, featuring 4 inputs and 2 digital outputs. Designed for reliable performance in controlled environments, it operates efficiently within specified temperature and humidity ranges.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon Momentum
Part	Number 170BDM09000
Weight	0.38 lbs (0.17 kg)
Module	Type Discrete I/O Module
Number	of Inputs 4 Inputs
Number	of Outputs 2 Outputs
Digital	Outputs Yes
Prewiring	Supported
Operating	Temperature 0 to 40 degrees Celsius
Maximum	Operating Humidity 80% RH, non-condensing
Storage	Temperature 0 to 50 degrees Celsius
Maximum	Storage Humidity 80% RH, non-condensing
Operating	Environment Clean indoor environment with no corrosive chemicals
Maximum	Operating Altitude 1000m above sea level
Maximum	Storage Altitude 1000m above sea level

3. Product Information

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Technical specifications for 170BDM09000

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Product Line Modicon Momentum

Part Number 170BDM09000

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Module Type Discrete I/O Module

Number of Inputs 4 Inputs

Number of Outputs 2 Outputs

Digital Outputs Yes

Prewiring Supported

Operating Temperature 0 to 40 degrees Celsius

Maximum Operating Humidity 80% RH, non-condensing

Storage Temperature 0 to 50 degrees Celsius

Maximum Storage Humidity 80% RH, non-condensing

Operating Environment Clean indoor environment with no corrosive chemicals

Maximum Operating Altitude 1000m above sea level

Maximum Storage Altitude 1000m above sea level

The 170BDM09000 module from Schneider Electric falls under the Modicon Momentum series, catering to discrete I/O functionalities. It facilitates 4 input channels and 2 digital output channels, enabling straightforward integration into various systems. For convenience, prewiring support is included.

This module is designed to function effectively in a temperature range from 0 to 40 degrees Celsius. It also supports a maximum operating humidity level of up to 80% RH, provided that conditions are non-condensing. Furthermore, the storage conditions allow temperatures between 0 and 50 degrees Celsius, maintaining operational integrity during periods of inactivity. Humidity levels in storage should also conform to a maximum of 80% RH, non-condensing.

Essentially, the 170BDM09000 is intended for clean indoor environments free from corrosive substances. This aspect is crucial for ensuring the longevity and reliability of the module. Additionally, it can be used at elevations of up to 1000 meters above sea level for both operational and storage purposes.