

Schneider Series Service Manual

170ADM37010

1. Description

The Schneider Electric 170ADM37010 unit serves as a discrete I/O base within the Modicon Momentum series. This component accommodates 16 discrete inputs and 8 outputs, designed to function within a well-defined voltage range.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Discrete I/O Base
Product	Line Modicon Momentum
Part	Number 170ADM37010
EAN	3595861147638
Weight	1.00 lbs (0.45 kg)
Number	of Channels 16 Inputs, 8 Outputs
Input	Groups 4 Groups
Output	Groups 2 Groups
Discrete	Input Voltage 24 V DC
Discrete	Output Voltage 24 V DC, Up To 30V DC
Output	Logic Positive
Input	Logic Positive
Solid-State	Switch Outputs Supported
Protective	Treatment TC Treatment
Maximum	Relative Humidity 95% Without Condensation
Operating	Temperature Range 0°C to 60°C
Storage	Temperature Range -40°C to 85°C
Description	
The	170ADM37010 from Schneider Electric features a discrete I/O base, optimized for integration into the Modicon Momentum series. This unit includes a total of 16 channels dedicated to input operations and 8 channels for output needs. It organizes inputs into four distinct groups and outputs into two, enhancing structured connectivity.

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Technical specifications for 170ADM37010

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With a discrete input voltage rated at 24 V DC, this device offers output capabilities from 24 V DC up to a maximum of 30 V DC. It employs positive logic for both input and output functions, contributing to compatibility with various control systems. The unit supports solid-state switch outputs, ensuring reliable operation.

Constructed with protective TC treatment, the 170ADM37010 ensures durability and resilience. It is rated to function effectively in environments with temperatures spanning from 0°C to 60°C, making it suitable for diverse industrial applications. Furthermore, it is rated to handle relative humidity levels of up to 95% without condensation, allowing it to perform reliably under various environmental conditions.

For storage purposes, the product is compatible with a broad temperature range, from -40°C to 85°C, providing flexibility for various storing situations. The robust design and specifications make the 170ADM37010 a reliable choice for discrete I/O applications.