

Schneider Series Service Manual

170ANR12091

1. Description

The 170ANR12091 I/O base unit from Schneider Electric's Modicon Momentum series is designed for versatile use in industrial applications. It supports 8 discrete inputs and 8 discrete outputs, along with 6 analog inputs and 4 analog outputs, ensuring comprehensive control capabilities.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon Momentum
Part	Number 170ANR12091
EAN	3595862053402
Weight	1.00 lbs (0.45 kg)
Module	Type I/O Base Unit
Discrete	Inputs 8 Inputs
Discrete	Outputs 8 Outputs
Analog	Inputs 6 Inputs
Analog	Outputs 4 Outputs
Operating	Temperature 0 to 60 degrees Celsius
Storage	Temperature -40 to 85 degrees Celsius
Maximum	Operating Humidity 95% relative humidity (non-condensing)
Maximum	Storage Humidity 95% relative humidity (non-condensing)
Maximum	Operating Altitude 5000m above sea level
Maximum	Storage Altitude 5000m above sea level
Operating	Environment Clean indoor environment without corrosive chemicals

3. Product Information

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Technical specifications for 170ANR12091

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Maximum Operating Altitude 5000m above sea level

Maximum Storage Altitude 5000m above sea level

Operating Environment Clean indoor environment without corrosive chemicals

The Schneider Electric Modicon Momentum series includes the 170ANR12091, a robust I/O base unit that integrates into various automation setups. It provides 8 discrete inputs and 8 discrete outputs for straightforward digital control, ensuring effective interactions within a system. Additionally, it accommodates 6 analog inputs and 4 analog outputs, facilitating precise monitoring and control of analog signals.

In terms of environmental capabilities, the module can function within a temperature range of 0 to 60 degrees Celsius, making it suitable for most industrial indoor applications. When it comes to storage, it endures a broad temperature spectrum from -40 degrees to 85 degrees Celsius. This feature ensures that the unit remains viable even under challenging storage conditions.

Humidity standards are met, with operation allowed at 95% relative humidity in a non-condensing state. The module also maintains its integrity in storage under the same humidity conditions. Whether in operation or storage, the altitude can reach as high as 5000 meters above sea level, emphasizing its adaptability to various geographical settings.

This base unit is intended for clean indoor environments and should be kept away from corrosive chemicals to prolong its operational life. Overall, the 170ANR12091 offers a versatile solution for enhancing automation processes while maintaining strict environmental standards.