

# Schneider Series Service Manual

## 170AAO92100

### 1. Description

The Schneider Electric 170AAO92100 is an analog output base module designed for use within the Modicon Momentum series. It features four analog outputs that utilize a full 16 bits signed format, providing precise data representation.

### 2. Specifications

| Specification | Value                                                                                                                                                                                                                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer  | Schneider Electric                                                                                                                                                                                                                                                                                                                                       |
| Product       | Line Modicon Momentum                                                                                                                                                                                                                                                                                                                                    |
| Part          | Number 170AAO92100                                                                                                                                                                                                                                                                                                                                       |
| EAN           | 3595861147720                                                                                                                                                                                                                                                                                                                                            |
| Weight        | 0.50 lbs (0.23 kg)                                                                                                                                                                                                                                                                                                                                       |
| Type          | Analog Output Base                                                                                                                                                                                                                                                                                                                                       |
| Analog        | Outputs 4 Outputs                                                                                                                                                                                                                                                                                                                                        |
| Data          | Format Full 16 Bits Signed Format                                                                                                                                                                                                                                                                                                                        |
| Update        | Time 2 ms                                                                                                                                                                                                                                                                                                                                                |
| Isolation     | Between the Channels and Ground 500V AC for 1 Minute                                                                                                                                                                                                                                                                                                     |
| Maximum       | Power Dissipation 8.5 Watts                                                                                                                                                                                                                                                                                                                              |
| Internal      | Reverse Polarity Protection Supported                                                                                                                                                                                                                                                                                                                    |
| Module        | Format Standard                                                                                                                                                                                                                                                                                                                                          |
| Approximate   | Dimensions 4.9 x 1.9 x 5.6 inches                                                                                                                                                                                                                                                                                                                        |
| Maximum       | Operating Humidity 95% (non-condensing)                                                                                                                                                                                                                                                                                                                  |
| Maximum       | Storage Humidity 95% (non-condensing)                                                                                                                                                                                                                                                                                                                    |
| Operating     | Temperature 0 to 60 degrees Celsius                                                                                                                                                                                                                                                                                                                      |
| Storage       | Temperature -40 to 85 degrees Celsius                                                                                                                                                                                                                                                                                                                    |
| As            | part of Schneider Electric's Modicon Momentum series, the 170AAO92100 serves as an analog output base module. It provides four analog outputs, making it suitable for various applications that require accurate signal processing. The outputs utilize a full 16 bits signed format, enabling detailed data representation and precision in operations. |

### 3. Product Information

The Schneider Electric 170AAO92100 is an analog output base module designed for use within the Modicon Momentum series. It features four analog outputs that utilize a full 16 bits signed format, providing precise data representation.

Technical specifications for 170AAO92100

Manufacturer Schneider Electric

Product Line Modicon Momentum

Part Number 170AAO92100

EAN 3595861147720

Weight 0.50 lbs (0.23 kg)

Type Analog Output Base

Analog Outputs 4 Outputs

Data Format Full 16 Bits Signed Format

Update Time 2 ms

Isolation Between the Channels and Ground 500V AC for 1 Minute

Maximum Power Dissipation 8.5 Watts

Internal Reverse Polarity Protection Supported

Module Format Standard

Approximate Dimensions 4.9 x 1.9 x 5.6 inches

Maximum Operating Humidity 95% (non-condensing)

Maximum Storage Humidity 95% (non-condensing)

Operating Temperature 0 to 60 degrees Celsius

Storage Temperature -40 to 85 degrees Celsius

As part of Schneider Electric's Modicon Momentum series, the 170AAO92100 serves as an analog output base module. It provides four analog outputs, making it suitable for various applications that require accurate signal processing. The outputs utilize a full 16 bits signed format, enabling detailed data representation and precision in operations.

With an update time of 2 milliseconds, this module ensures quick response times for monitoring and control systems. It also features a strong isolation capability between the channels and the ground, rated for 500V AC for one minute, contributing to the safety and reliability of the overall system. Power management is efficient, with a maximum dissipation of 8.5 watts.

The 170AAO92100 supports internal reverse polarity protection, which helps safeguard the device against incorrect wiring. The module follows a standard format and weighs 0.215 kg, making it manageable for various installations. With dimensions measuring approximately 4.9 inches in length, 1.9 inches in width, and 5.6 inches in height, it has a compact design appropriate for integration into different setups.

Operating within a range of 0 to 60 degrees Celsius, it can handle ambient conditions effectively. For storage, it remains functional in temperatures from -40 to 85 degrees Celsius.

The module can tolerate relative humidity levels reaching 95% non-condensing for both operation and storage, making it adaptable for use in varying environmental conditions.