Modicon AS-J890-101

Complete Product Information

Modicon AS-J890-101 is a remote I/O drop adapter linking 800 Series I/O to a Modicon S908 or Quantum RIO network.

01 Product role and installed system

The AS-J890-101 connects a remote drop of Modicon 800 Series I/O to an S908 remote I/O network. Schneider documents the adapter in Quantum RIO architecture.

The -101 execution has one RIO coaxial port and no ASCII device ports. J890-102 and J892 variants have distinct port arrangements and must retain their own order identities.

The S908 network links a head processor to remote I/O drops. The installed cable topology, termination and drop addressing belong to the project design.

Before replacement, calculate the 800 Series rack’s module current against its selected supply, retain the drop identity and confirm RIO communications after commissioning.

Product family	Modicon J890 remote I/O adapter
I/O at drop	800 Series I/O
RIO head	S908 or Quantum CRP93X
RIO cable ports	One coaxial F-connector port

02 Technical capability map

Product family	Modicon J890 remote I/O adapter
I/O at drop	800 Series I/O
RIO head	S908 or Quantum CRP93X
RIO cable ports	One coaxial F-connector port
ASCII ports	None
Documented topology	Linear or dual RIO cable topology
Network technology	S908 remote I/O
Rack power check	Sum module current against the installed supply capacity

Scope of the published data

The one-port/no-ASCII distinction applies to AS-J890-101; rack capacity and full network limits depend on the host and installed 800 Series I/O configuration.

03 Application and commissioning map

Applications

Installed 800 Series drops

Connect an existing 800 Series I/O rack to a documented S908/Quantum RIO architecture.

RIO service exchange

Use the full -101 code to preserve the one-port drop arrangement.

Network maintenance

Retain drop addressing, coaxial routing and rack power records during replacement.

800 Series modernization

Retain a documented 800 Series remote drop where the S908 host architecture still supports the installed I/O.

Product precautions

Power budget

Compare the sum of rack-module current with the installed power-supply capability.

Cable identity

Isolate and label the coaxial connection before removing the adapter.

Acceptance

Restore the drop address and check host-to-drop I/O communications under the site test procedure.

Port count

Do not interchange the one-port -101 adapter with a two-port -102 arrangement without redesigning the cable path.

Address and termination

Record the drop address and installed cable termination before removal.

Module response

Verify each fitted I/O module response through the RIO head after reinstallation.

04 Model-specific engineering questions

What role does AS-J890-101 serve?

It is a remote I/O drop adapter for an 800 Series I/O installation on the S908 RIO architecture.

How many RIO cable ports does AS-J890-101 provide?

The J890-101 reference has one RIO cable port. The J890-102 is a different two-port execution.

Does AS-J890-101 have ASCII device ports?

No. The J890-101 has zero ASCII ports; J892 variants are separate references with ASCII support.

Which I/O family is connected by AS-J890-101?

The documented drop uses Modicon 800 Series I/O modules.

Which head processors are documented for AS-J890-101?

Schneider’s RIO adapter table lists S908 or Quantum CRP93X head arrangements.

Which RIO topology is identified for AS-J890-101?

The one-port J890-101 is documented for linear or dual RIO cable topologies, subject to the installed network design.

Does AS-J890-101 replace an 800 Series rack power supply?

No. Calculate the installed I/O module current and compare it with the selected power supply capacity.

Can AS-J890-101 be treated as the two-port J890-102?

No. Preserve the -101 suffix because the RIO port count differs from the -102 execution.

05 Lifecycle, offered unit and sources

Lifecycle status

AS-J890-101: A current manufacturing phase for the complete adapter is not established.

Support and replacement: Confirm current replacement guidance using the complete adapter marking, rack and S908 network topology.

Availability: Apter Power stock availability is separate from manufacturer lifecycle status.

Available unit details

Offered reference: Modicon AS-J890-101. Condition: New, original product.

Identity check: The one-port/no-ASCII distinction applies to AS-J890-101; rack capacity and full network limits depend on the host and installed 800 Series I/O configuration.

Included items: Confirm the adapter, coaxial connector, rack and cabling items in the quotation.

Technical reference

Schneider Electric Modicon Quantum Automation Platform Catalog; Modicon S908 Remote I/O Cabling System Planning and Installation Guide, 35014629

Related catalog references

Portfolio navigation only. Verify every proposed configuration separately.

- **Schneider Electric AS-P890-000**
- **Schneider Electric 140CPS12420C**
- **Schneider Electric 140CPS22400**

Discuss the complete reference

Modicon AS-J890-101

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