

Product dashboard

Schneider Electric 490NRP25400 is a Modbus Plus line/drop repeater and transceiver for a mixed copper and optical-fiber network. It extends the documented network path while maintaining the node layout and fiber direction used by the installed architecture.

Exact model

490NRP25400

Product type

Modbus Plus Fiber Optic Repeater

System family

Modicon Quantum / Modbus Plus

Functional role

Network Repeater

PARAMETER	DOCUMENTED VALUE
Exact model	490NRP25400
Network	Modbus Plus
Device class	Line/drop repeater and transceiver
Supported media	Copper and optical fiber
Topology record	Node map and segment direction
Fiber record	Transmit/receive path and connector assignment
Replacement status	No direct replacement identified
Acceptance	Segment communication and error review

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

CONTACT APTER POWER

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



490NRP25400

System overview

490NRP25400 bridges a defined Modbus Plus segment across its approved copper and optical media, so topology, port direction and network continuity remain a single engineered route.

- Modbus Plus fiber extension**

Carries a documented network segment across optical fiber.
- Copper-to-fiber transition**

Maintains communication between approved copper and optical media.
- Electrical isolation planning**

Supports a controlled fiber segment where the architecture requires media separation.
- Legacy network maintenance**

Preserves node order and repeater direction while renewing a field device.

SYSTEM POSITION		RECORD
Installed identity		490NRP25400

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Technical data map

PARAMETER	VERIFIED VALUE
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CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	Modbus Plus line/drop signal conversion and optical-fiber extension

Technical evidence record: Modicon Quantum Automation Platform Catalogue, pages 146–147; Schneider Electric FAQ

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Applications and precautions

1

Confirm 490NRP25400 and the complete Modbus Plus segment drawing before work.

2

Place all affected network nodes in the approved maintenance state.

3

Record copper ports, fiber transmit/receive direction and node order before removal.

4

Protect optical connectors from dust, moisture and end-face damage.

5

Maintain documented cable routing, bend radius and mechanical strain relief.

6

Restore transmit-to-receive pairing and every shield or grounding provision.

7

Review communication counters and node status after controlled energization.

8

Test the complete segment in both directions before releasing 490NRP25400.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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Buyer and engineering FAQ

What is Schneider Electric 490NRP25400?

It is a Modbus Plus line/drop repeater and transceiver for copper and optical-fiber media.

Which network does 490NRP25400 support?

It supports a documented Modbus Plus network segment.

Which media does 490NRP25400 connect?

The product is used with copper and optical-fiber network media.

Does 490NRP25400 change the Modbus Plus node map?

No. Replacement should preserve the engineered node order and segment topology.

Related Apter Power pages

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[Schneider Electric PN072139P904 — View product page](#)

[Schneider Electric NHA75769_02 — View product page](#)

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