APTER POWER PRODUCT GUIDE

1794-OB8EP

FLEX I/O 8-Channel Sourcing Output Module

Allen-Bradley 1794-OB8EP is an eight-channel FLEX I/O electronically protected DC sourcing output module. It switches 24 V DC field loads and reports channel protection status through the FLEX I/O system.

Manufacturer	Allen-Bradley
Model	1794-OB8EP
Product type	FLEX I/O 8-Channel Sourcing Output Module
Product family	FLEX I/O
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation and system fit

- Select an approved 1794 terminal base and set key position 2.
- Keep total module current within the permitted channel-loading combinations.
- De-energize field power before landing or moving conductors.
- Reset an electronic fuse only after the field fault has been found and corrected.

Controlled configuration

Complete model	1794-OB8EP
Product type	FLEX I/O 8-Channel Sourcing Output Module
System family	FLEX I/O

2. Commissioning sequence

1. Select an approved 1794 terminal base and set key position 2.
2. Keep total module current within the permitted channel-loading combinations.
3. De-energize field power before landing or moving conductors.
4. Reset an electronic fuse only after the field fault has been found and corrected.

Technical verification note

1794-OB8EP uses even-numbered terminal positions for outputs on the supported base arrangements. Commission each load with the field supply controlled and verify that no electronic-fuse indication remains active.

3. Application verification

24 V DC solenoid control

Sources field current from eight independently addressed output points

Interposing relay drive

Limits fault energy through electronic output protection

Machine actuator outputs

Transfers output commands over the FLEX I/O backplane

Protected distributed-output stations

Supports fuse reset through the module button or output image

Associated system components

- 1794 terminal base
- FLEX I/O adapter
- 24 V DC field supply
- sourcing-compatible field loads

4. Maintenance and verification FAQ

Which key position is used for 1794-OB8EP?

Set the terminal-base keyswitch to position 2 before inserting the module.

Does 1794-OB8EP provide channel-to-channel isolation?

No. The published isolation is between the field side and system side, not between individual outputs.

How should surge loads be reviewed for 1794-OB8EP?

Compare the load inrush profile with the published 4 A for 50 ms every three seconds surge capability and the module current limit.

What completes commissioning of 1794-OB8EP?

Prove each addressed output, confirm field voltage and load response, clear protection indications and verify the final safe state.

Source record

Rockwell Automation FLEX I/O 1794-OB8EP Installation Instructions 1794-IN094
https://literature.rockwellautomation.com/idc/groups/literature/documents/in/1794-in094_-en-p.pdf

ASK FOR QUOTE

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