

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.

WHATSAPP / PHONE

EMAIL

+86 180 3023 5313

sales13@apterpower.com



SCAN FOR PRODUCT & QUOTE

1. Product overview and identity

- Sources field current from eight independently addressed output points
- Limits fault energy through electronic output protection
- Transfers output commands over the FLEX I/O backplane
- Supports fuse reset through the module button or output image

Model configuration

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

2. Technical specifications

Output channels	8 sourcing
On-state voltage range	19.2-31.2 V DC
Nominal output voltage	24 V DC
Maximum current per output	2 A
Maximum current per module	10 A
Minimum on-state current	1 mA per channel
Maximum on-state voltage drop	0.2 V
Surge current	4 A for 50 ms every 3 s
Maximum off-state leakage	0.5 mA
Output delay	0.1 ms on; 0.1 ms off
Isolation	50 V continuous
Isolation type test	850 V DC for 1 s
Interchannel isolation	None
FlexBus current	73 mA at 5 V DC
Maximum power dissipation	5.5 W at 31.2 V DC
Maximum thermal dissipation	18.8 BTU/h
Terminal-base key position	2
Output protection	Electronic fusing

3. Functions, applications and components

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. Engineering FAQ and source record

Which terminal bases accept 1794-OB8EP?

Rockwell Automation lists 1794-TB2, 1794-TB3, 1794-TB3S, 1794-TBN and the corresponding K variants in the installation instructions.

What is the output polarity of 1794-OB8EP?

It is a sourcing DC output module for loads wired to the module's output and common arrangement.

How much current can one 1794-OB8EP channel switch?

A channel is rated up to 2 A, while all output loading must also remain within the 10 A module limit.

How are electronic fuses reset on 1794-OB8EP?

Correct the field fault first, then use the module reset button, the documented output-image reset bit or a controlled backplane-power cycle.

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

sales13@apterpower.com | +86 180 3023 5313 | www.apterpower.com