

1794-IE8

FLEX I/O 8 Point Analog Input Module

CONTROLLED ENGINEERING COPY

Mount 1794-IE8 on the terminal base specified in Rockwell Automation publication 1794-IN100, isolate field-loop energy before rewiring, preserve channel polarity and confirm each configured range with a controlled current or voltage source.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1794-IE8
Manufacturer part	1794-IE8
Hardware type	1794-IE8
System family	Allen-Bradley FLEX I/O



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete 1794-IE8 marking and the assigned Allen-Bradley FLEX I/O position before work.
- 2

Isolate the applicable power and field energy before disconnecting 1794-IE8.
- 3

Record the installed conductor, connector and module position before replacement of 1794-IE8.
- 4

Use ESD controls and protect the keyed interfaces while handling 1794-IE8.
- 5

Confirm the companion hardware listed for 1794-IE8 matches the approved system drawing.

MATCHED HARDWARE

- Compatible FLEX I/O adapter
- Approved FLEX I/O terminal base
- Current or voltage field transmitters
- Controller I/O configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	1794-IE8 / 1794-IE8 recorded
Physical interface	Compatible FLEX I/O adapter
Companion check	Approved FLEX I/O terminal base
Functional proof	Accepts selectable voltage or current input ranges
Application test	Eight-channel process transmitter acquisition

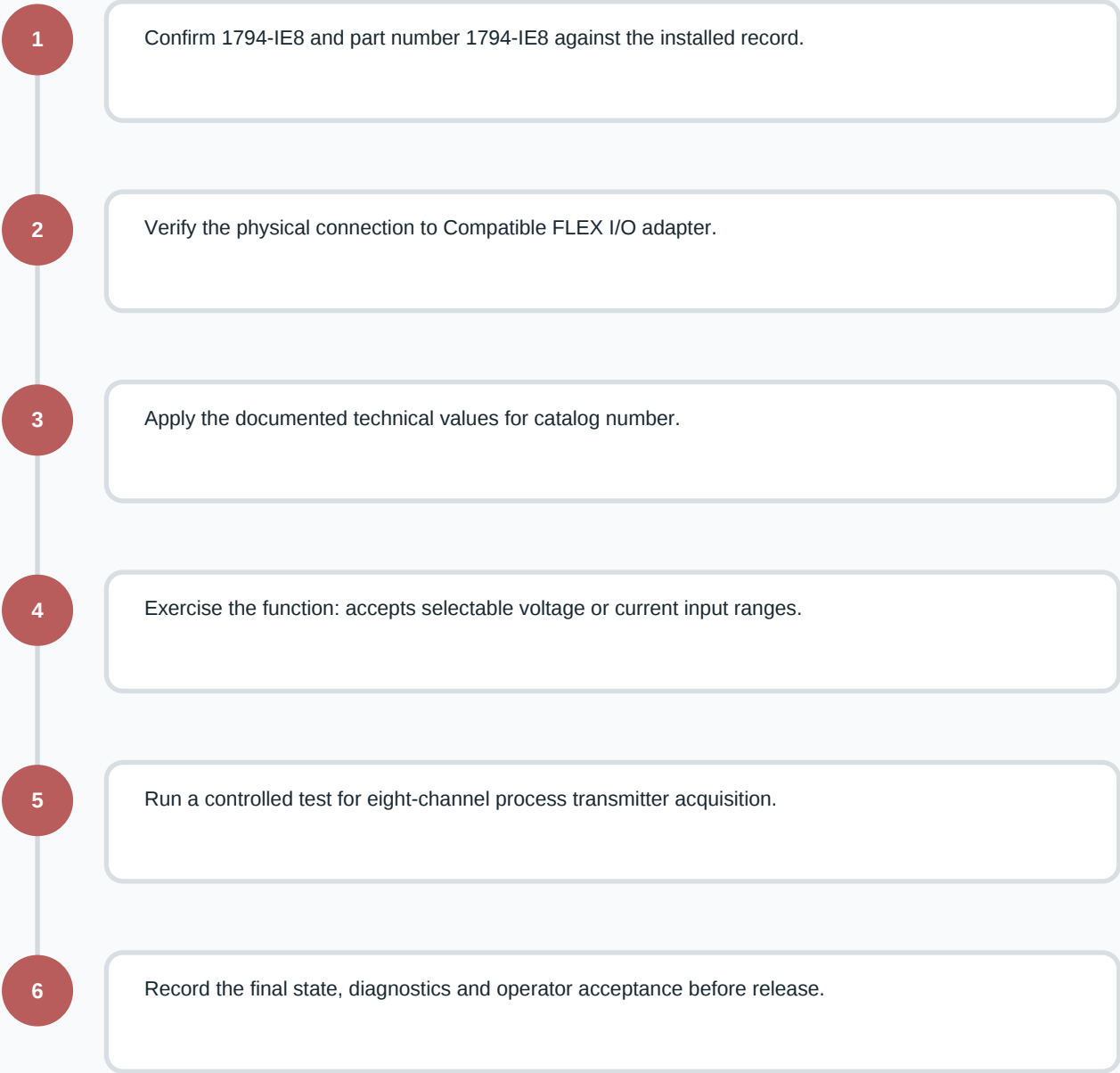
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	1794-IE8
Analog inputs	8 single-ended, nonisolated
Input voltage ranges	0...10 V; -10...+10 V
Input current ranges	0...20 mA; 4...20 mA
Resolution	12-bit unipolar; 11 bits plus sign bipolar
Voltage resolution	2.56 mV/count unipolar; 5.13 mV/count bipolar
Current resolution	5.13 µA/count
Data format	Left-justified 16-bit two's complement
Conversion method	Successive approximation
Conversion rate	256 µs for all channels
Voltage input impedance	100 kΩ nominal
Current input impedance	238 Ω nominal
FLEXBus current	15 mA at 5 V DC
External supply voltage	24 V DC nominal; 10.5...31.2 V DC

FIELD NOTE

Mount 1794-IE8 on the terminal base specified in Rockwell Automation publication 1794-IN100, isolate field-loop energy before rewiring, preserve channel polarity and confirm each configured range with a controlled current or voltage source.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	1794-IE8 / 1794-IE8 recorded
Physical interface	Compatible FLEX I/O adapter
Companion check	Approved FLEX I/O terminal base
Functional proof	Accepts selectable voltage or current input ranges
Application test	Eight-channel process transmitter acquisition

04 RETURN-TO-SERVICE RECORD

- ☐ Restore the documented configuration before applying process or machine power.
- ☐ Run a controlled functional and diagnostic test for 1794-IE8 before release.
- ☐ Retain the final wiring and test record with the 1794-IE8 maintenance history.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
1794-TB3	FLEX I/O 3-wire terminal base	View 1794-TB3 page
1794-AENT	FLEX I/O EtherNet/IP adapter	View 1794-AENT page
1794-IM8	FLEX I/O digital input module	View 1794-IM8 page
1794-IB16	FLEX I/O 16-point digital input module	View 1794-IB16 page
1756-ENBT/A	ControlLogix EtherNet/IP bridge module	View 1756-ENBT/A page
1756-BA1	ControlLogix and FlexLogix battery assembly	View 1756-BA1 page
1756-OF8	ControlLogix analog output module	View 1756-OF8 page
1756-OB16E	ControlLogix protected digital output module	View 1756-OB16E page

SOURCE IDENTIFIERS

FLEX I/O Analog Modules Technical Data

1794-TD016A-EN-E; 1794-IN100E-EN-P

APTER POWER SALES TEAM

WHATSAPP / PHONE

EMAIL

WEBSITE

+86 180 3023 5313

sales13@apterpower.com

www.apterpower.com

