

1762-IR4

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Allen-Bradley 1762-IR4 is a four-channel MicroLogix 1200 expansion module for RTD and direct resistance measurements. Each channel uses selectable 0.5 mA or 1.0 mA excitation within the configured input mode.

Verified installation basis

Product family	MicroLogix 1200 Bulletin 1762
Module role	RTD and resistance input expansion module
Input channels	4
Excitation current	0.5 mA or 1.0 mA selectable per channel
A/D conversion	Delta-sigma
Input impedance	Greater than 10 MΩ
Bus current	50 mA maximum at 24 V DC

Verified related ApterPower product pages

- Allen-Bradley 2711P-RN15S
- Allen-Bradley 1762-L40BWA

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the 1762-IR4 marking, slot and four channel configurations.
- Place the process and controller in the approved maintenance state.
- Isolate controller power before moving the module or terminal block.
- Identify each sensor type, wiring method and excitation-current setting.
- Inspect low-level conductors, shields, grounds and terminal tightness.
- Restore the saved filter, data format and engineering-unit configuration.

HOLD POINT

Confirm the full 1762-IR4 identity and all four channel configurations before moving the removable terminal block or applying excitation current.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

[ABB DSBC174 3BSE012211R1](#)

[Allen-Bradley 2711P-B15C22D9P](#)

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the 1762-IR4 marking, slot and four channel configurations.

2 ISOLATE

Place the process and controller in the approved maintenance state.

3 RECORD

Isolate controller power before moving the module or terminal block.

4 VERIFY

Identify each sensor type, wiring method and excitation-current setting.

5 INSTALL

Inspect low-level conductors, shields, grounds and terminal tightness.

6 RESTORE

Restore the saved filter, data format and engineering-unit configuration.

CONFIGURATION CONTROL

Record each channel's sensor type, wiring method, excitation current, filter and engineering-unit configuration before replacement. Keep low-level RTD conductors segregated from noise sources and preserve shield and grounding practice. After commissioning, compare every channel with a traceable reference and confirm open-circuit diagnostics, raw data and scaled temperature or resistance values.

Verified related ApterPower product pages

[Allen-Bradley 2711P-B7C4D1/A](#)

[Allen-Bradley 2711P-RDK10C](#)

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the 1762-IR4 marking, slot and four channel configurations.
Configuration	Restore the saved filter, data format and engineering-unit configuration.
Physical installation	Check open-circuit diagnostics and raw channel data after power-up.
Functional acceptance	Compare all four measurements with a traceable reference before release.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

Allen-Bradley 2711P-T12C4A8	Allen-Bradley 2711P-K12C4A8
Allen-Bradley 2711P-T10C4D1	Allen-Bradley 2711P-K10C4D8

Handover record

Traceable evidence for the installed product

Final acceptance

- Inspect low-level conductors, shields, grounds and terminal tightness.
- Restore the saved filter, data format and engineering-unit configuration.
- Check open-circuit diagnostics and raw channel data after power-up.
- Compare all four measurements with a traceable reference before release.

Manufacturer evidence used

- Rockwell Automation 1762-IR4 RTD/Resistance Input Module installation instructions, publication 1762-IN014.
- Rockwell Automation exact product record for 1762-IR4.
- Rockwell Automation MicroLogix 1200 analog input specifications.

Verified related ApterPower product pages

Allen-Bradley 2711P-RDT12H

ABB DI811 3BSE008552R1

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Additional verified ApterPower product pages

ABB TU831V1 3BSE013235R1

ABB SR511 3BSE000863R1

ABB 07DI92

ABB 07KT92 GJR5250500R0902

ABB 07KR91 GJR5250000R0101

ABB 07KP90 GJR5251000R0202