

1747-L30C

Fixed Controller

CONTROLLED ENGINEERING COPY

Back up the SLC program, identify every input and relay-output group, isolate all supply sources and verify the exact 1747-L30C identity before replacement.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	1747-L30C
Manufacturer part	1747-L30C
Hardware type	1747-L30C
System family	Allen-Bradley SLC 500 fixed hardware controller



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 1747-L30C marking and its assigned Allen-Bradley SLC 500 fixed hardware controller position before work.
- 2

Place the connected compact machine control process in the approved maintenance state.
- 3

Isolate every documented power, signal and stored-energy source before disconnecting conductors or cables.
- 4

Record the installed slot, connectors, conductors, addressing, firmware and software configuration before removal.
- 5

Use ESD-safe handling and protect keyed electrical, fiber or sensor interfaces as applicable.

MATCHED HARDWARE

- 85 to 265 V AC main supply
- 24 V DC field input circuits
- relay-controlled field loads
- approved SLC 500 program and wiring record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	1747-L30C / 1747-L30C recorded
Physical interface	85 to 265 V AC main supply
Companion check	24 V DC field input circuits
Functional proof	Combines controller, inputs and relay outputs
Application test	Compact machine control

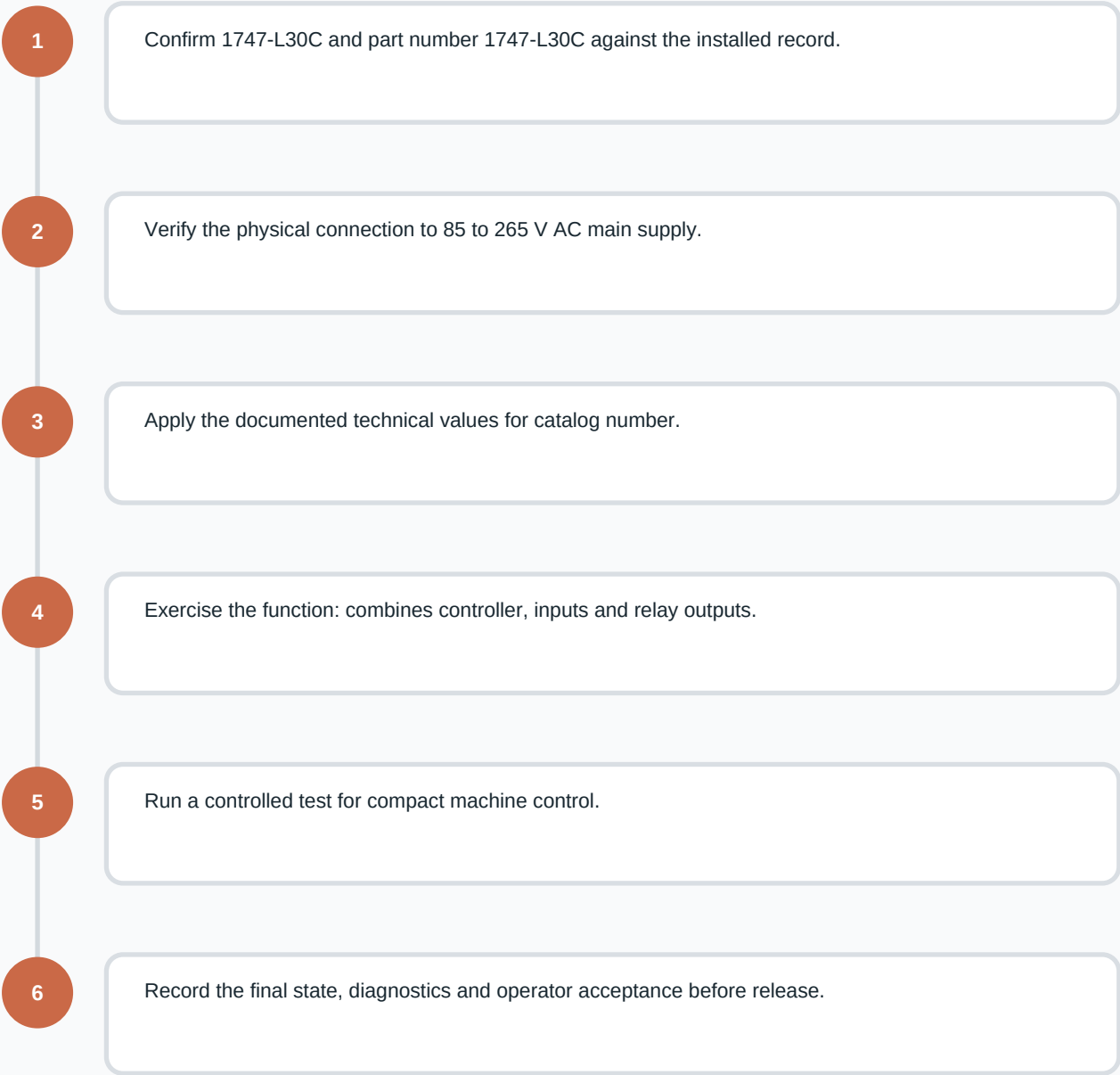
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	1747-L30C
Controller family	SLC 500 fixed hardware style
Main power input	85 to 265 V AC
Discrete inputs	18 sinking 24 V DC inputs
High-speed counter	1 dedicated input
Relay outputs	12
Input wiring range	10 to 30 V DC
Sensor user power	24 V DC, 200 mA
Relay operating range	5 to 265 V AC; 5 to 125 V DC
Output arrangement	Grouped relay circuits; group voltages may differ
Programming platform	SLC 500 fixed-controller programming environment
Reference manual	1747-UM009

FIELD NOTE

Back up the SLC program, identify every input and relay-output group, isolate all supply sources and verify the exact 1747-L30C identity before replacement.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	1747-L30C / 1747-L30C recorded
Physical interface	85 to 265 V AC main supply
Companion check	24 V DC field input circuits
Functional proof	Combines controller, inputs and relay outputs
Application test	Compact machine control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed 85 to 265 V AC main supply and 24 V DC field input circuits against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended high-speed event counting function and retain the final acceptance result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	1747-L30C
INSTALLED POSITION	Documented Allen-Bradley SLC 500 fixed hardware controller position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens A5E00297628	Related industrial automation product	View Siemens A5E00297628 page
Siemens A5E03915589	Related industrial automation product	View Siemens A5E03915589 page
Siemens A5E36228241	Related industrial automation product	View Siemens A5E36228241 page
Siemens A5E00282044	Related industrial automation product	View Siemens A5E00282044 page
Bently Nevada 330901 00 90 10 02 05 953416	Related industrial automation product	View Bently Nevada 330901 00 90 10 02 05 953416 page
Bently Nevada 330330 080 01 00	Related industrial automation product	View Bently Nevada 330330 080 01 00 page
Bently Nevada 330330 070 00 00	Related industrial automation product	View Bently Nevada 330330 070 00 00 page
Bently Nevada 330854 080 05	Related industrial automation product	View Bently Nevada 330854 080 05 page

SOURCE IDENTIFIERS

Rockwell Automation SLC 500 Fixed Hardware Style Installation and Operation Manual
1747-UM009

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