TSX-P47-455

Controlled installation and commissioning guide

EXACT PRODUCT ROLE

legacy TSX Series 7 processor identified by exact part number TSXP47455. This guide keeps the exact model as the controlling identity and does not substitute a neighboring part.

Pre-work identity record

Display model	TSX-P47-455
Compact part number	TSXP47455
Product type	Processor
Product family	Legacy TSX Series 7 / TSX 47
Lifecycle	Discontinued legacy product
Configuration basis	Installed nameplate, approved project and cabinet records

RELEASE HOLD POINT

Do not begin removal until the installed marking, rack and slot, field-circuit references, software configuration and approved maintenance state have all been recorded.

SCOPE CONFIRMATION

Compare the installed label character by character with the work order. Record any suffix, coating, firmware, connector or memory detail that could change the approved hardware configuration.

BASELINE EVIDENCE

Capture the as-found LED pattern, controller diagnostic state and affected process values so that the final acceptance check has a traceable comparison point.

Plan the intervention

Translate the approved cabinet record into a controlled work package

Configuration and wiring preparation

- Preserve the complete TSX-P47-455 marking and exact rack position before any intervention.
- Back up the controller application using the approved legacy engineering environment before removal.
- Record every connector, communication cable and network role from the installed cabinet drawing.
- Do not infer memory, slot, temperature or electrical values from adjacent TSX 47 family references.

EVIDENCE BOUNDARY

Use the exact-model Schneider Electric evidence and the approved site drawing together. Manufacturer evidence establishes product limits; the site record establishes terminal assignments, process meaning, protection and cabinet routing.

PRESERVE BEFORE REMOVAL

Photograph the full model label, connector orientation, slot location, cable and terminal labels, LED state and any removable memory, key or fuse arrangement that applies to this exact model.

CONFIGURATION EVIDENCE

Record the exact project revision, rack position, channel or network mapping, cable and terminal identities, and every installation-specific value that cannot be established from the product document alone.

WORK-PACKAGE COMPLETENESS

Include the exact Schneider Electric evidence, current cabinet drawing, I/O or network schedule, isolation plan, acceptance sheet and a rollback path before the intervention is released.

Install under control

Mechanical, electrical and configuration checks

Ordered field checklist

- Record TSX-P47-455 and the compact TSXP47455 identity.
- Place the controlled process in its approved maintenance state.
- Isolate rack and field energy before removal.
- Record the processor rack and slot position.
- Label every connector and communication cable.
- Secure an approved application backup and project record.

MECHANICAL COMPLETION

Seat the module or accessory without forcing connectors. Restore every latch, screw, cable restraint and protective-earth arrangement specified by the rack and cabinet documentation.

ELECTRICAL COMPLETION

Compare every conductor and external supply with the approved point list before power is restored. Do not infer a terminal assignment from a similar model or from physical appearance.

CONFIGURATION COMPLETION

Confirm that the controller project resolves the exact hardware identity, address and channel mapping expected for the installed position.

As-found and as-left record

Installed identity	Full model, suffix, rack and slot
Connections	Cable, terminal, fuse and field-supply labels
Configuration	Project revision, channel mapping and diagnostics
Acceptance	Measured results, alarms cleared and final approver

Commission and accept

Prove identity, communication and every affected field function

Acceptance sequence

- Inspect the completed work with power removed and verify all labels against the work package.
- Restore power in the approved sequence and observe the first diagnostic state without forcing field outputs.
- Restore grounding, retention and the documented network arrangement.
- Complete controller diagnostics and a controlled functional test.
- Compare controller diagnostics, channel data and process feedback with the pre-work baseline.
- Record measured results, alarms, software revision, final rack state and the person accepting the work.

STOP CRITERIA

Stop commissioning if the exact model is not recognized, a channel disagrees with its point record, an unexpected diagnostic remains active, field power is outside the documented range or the approved redundancy state cannot be restored.

ACCEPTANCE RECORD

Retain the as-left drawing, configuration backup, point results, diagnostic screenshots and any changed fuse, cable or module identifiers with the maintenance record.

Final review prompts

Identity	Does every record show the complete exact model?
Energy	Are all supplies, grounds and protective devices restored?
Function	Did every affected channel, network or rack function pass?
Traceability	Are the as-left files and acceptance signatures complete?

Reference and support

Verified ApterPower product pages and direct contact

Verified related ApterPower product pages

Schneider Electric 140CPU67160

Schneider Electric 140CPU43412U

RECOMMENDATION BOUNDARY

These links identify other verified ApterPower Modicon Quantum product pages for catalog navigation only. They do not establish compatibility, substitution or approval for the current installation.

Talk to Apter Power

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DOCUMENT BOUNDARY

This field guide supports controlled planning and acceptance; it does not replace the official Schneider Electric instructions, the approved system design or site-specific safe-work requirements.