Honeywell 51196654-100

10-Slot Power Supply / Work scope and retained evidence

This guide controls identification, wiring records, safe restoration and witnessed commissioning for Honeywell 51196654-100 in its documented TDC 3000 10-Slot Node Hardware position.

PREPARATION 1

Read the complete 51196654-100 label and service-kit record.

PREPARATION 2

Record chassis type, AC input, power cable and existing connector arrangement.

PREPARATION 3

Shut down the node under the approved process and isolate AC power.

PREPARATION 4

Discharge and use ESD protection before removing the supply.

Retain	Exact label, position and approved configuration
Protect	Personnel, process, contacts and field circuits
Record	Wiring, addresses, project and observed baseline
Release	Only after witnessed diagnostics and functional checks

Pre-work boundary

No conductor, memory device, network setting or terminal position is changed until its installed identity has been captured in the maintenance record.

Work package	Exact Honeywell 51196654-100 scope
System owner	Responsible person for the affected TDC 3000 10-Slot Node Hardware installation
Backup owner	Named custodian of the validated software or configuration copy
Field witness	Person confirming conductor, connector and terminal identity
Release witness	Person approving diagnostics and the final functional test

READY TO REMOVE

Isolation, backups, labels and baseline observations are complete.

NOT READY

Any unresolved identity, connection or project discrepancy stops the work.

Honeywell 51196654-100

10-Slot Power Supply / Mechanical and electrical preparation

FIELD CONTROL 1

Inspect the chassis opening before offering the wider enhanced edge connector.

FIELD CONTROL 2

Do not modify the supply connector in the field.

FIELD CONTROL 3

Install only the approved cable or pre-modified kit for the chassis type.

FIELD CONTROL 4

Verify dc rails, peripheral power and node diagnostics before process release.

Identity check	51196654-100
Configuration set	Project, channel, address or interface data retained
Physical record	Slot, terminal, connector and cable positions captured
Energy control	Rack, field and connected process sources isolated
Handling	Grounded ESD and protected contacts
Inspection	No contamination, damage or loose termination

Installation decision

Proceed only when the replacement identity and every required restoration record are available at the work location.

Mechanical fit	Mounting, rack seating, cutout or terminal mating confirmed
Electrical fit	Supply, polarity, commons, ranges and protection checked
Information fit	Addresses, project, memory or runtime application retained
Environmental fit	Enclosure, grounding, contamination and cable condition reviewed
Service fit	Test equipment, approved procedure and rollback plan available

PRE-ENERGIZATION HOLD

Keep 51196654-100 de-energized until every fit check is signed.

RESTORATION BASIS

Return connections and configuration to the captured approved baseline only.

Honeywell 51196654-100

10-Slot Power Supply / Controlled restoration

1 / isolate	Apply the approved machine, rack and field energy controls.
2 / capture	Record exact identity, connections, software and observed baseline.
3 / exchange	Protect contacts and restore the documented physical arrangement.
4 / configure	Apply only the validated project, addresses, ranges or runtime files.
5 / diagnose	Review module, network and system indicators before operation.
6 / prove	Witness each required field response and retain the acceptance record.

STOP CONDITION

Pause when an identifier, conductor, project or interface does not match the approved record.

ESCALATION

Resolve discrepancies through engineering review before power or process control is restored.

Controlled restoration

For 51196654-100, restoration is controlled as a chain: captured physical arrangement, validated configuration, correct seating or termination, healthy diagnostics and proven system response.

Visual inspection	No bent contacts, damaged threads, contamination or trapped conductor
Connection inspection	Every connector, screw or memory device is fully seated
Configuration inspection	Loaded revision and settings match the retained baseline
Diagnostic inspection	Status indications are interpreted before field operation
Functional inspection	Required response is proved without bypassing safeguards

ROLLBACK POINT

Stop and return to the safe state if any restoration check fails.

TRACEABILITY

Attach readings, screenshots or observations to the 51196654-100 work order.

Honeywell 51196654-100

10-Slot Power Supply / Commissioning sequence

Pre-work	Identity, backups, wiring and energy controls complete
Post-install	Seating, terminals, grounding and configuration verified
Diagnostics	Relevant module, network and system status reviewed
Functional proof	Required inputs, outputs, communications or HMI actions witnessed
Handover	Exceptions, measurements and restored revision recorded

Commissioning questions

51196654-100: which node size is documented?

Honeywell lists 51196654-100 for 10-slot node applications.

51196654-100: which earlier supply does it replace?

The resource-manual note identifies 51196654-100 as the replacement for 51400712-200.

51196654-100: what must be checked before removal?

Record chassis type, AC rating, power cable, node loading and the installed connector arrangement.

51196654-100: what is inspected before energization?

Check connector fit, cable identity, protective earth, supply seating and the absence of damaged edge contacts.

51196654-100: what changed on the enhanced power-supply edge connector?

The enhanced supply has a wider edge connector with additional traces for peripheral power at J8, J9 and J10.

51196654-100: can an incompatible connector be modified in the field?

No. Honeywell states that these supplies are not to be modified in the field; use the approved modified replacement kit.

51196654-100: which applications use the supply?

The service table lists 10-slot classic-console and Micro configurations with their approved cable arrangements.

51196654-100: what completes commissioning?

Verify all required dc rails, peripheral power, node start-up diagnostics and the restored process interface.

Decision closeout

Close the 51196654-100 work order with isolation removal, restored settings, inspection results and every required functional witness documented.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The 51196654-100 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Honeywell 51196654-100

10-Slot Power Supply / Handover and support

Work identity	Honeywell 51196654-100
Precondition	Safe state plus complete restoration record
Installation evidence	Position, terminals, cables, settings and software baseline
Commissioning evidence	Diagnostics plus witnessed functional result
Handover	Recorded revision, exceptions and responsible approval

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Honeywell DC-TFB412 Redundant Series C Fieldbus Interface IOTA	View Honeywell DC-TFB412 Redundant Series C Fieldbus Interface IOTA page
Honeywell DC-TCF901 Control Firewall IOTA	View Honeywell DC-TCF901 Control Firewall IOTA page

MANUFACTURER EVIDENCE RECORD

Honeywell Experion PKS / TDC 3000 Customer Resource Manual

TAB PD 15 A07(B), 14 May 2014

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.