

INDUSTRIAL AUTOMATION PRODUCT

51401496-100

51401496-100 Dual-Node Fan Assembly

Honeywell 51401496-100 is the 51401496-100 Dual-Node Fan Assembly used for cooling of the documented dual-node card-file installation in a documented Honeywell TDC 3000 installation. Confirm the complete identity and installed system configuration before replacement.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Honeywell TDC 3000
Part number	51401496-100
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 51401496-100 only in its documented Honeywell TDC 3000 position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and cooling of the documented dual-node card-file installation under controlled conditions.

System Role and Architecture

Honeywell 51401496-100 is the 51401496-100 Dual-Node Fan Assembly used for cooling of the documented dual-node card-file installation in a documented Honeywell TDC 3000 installation. Confirm the complete identity and installed system configuration before replacement.

FUNCTION 1
System family: TDC 3000

FUNCTION 2
Installation role: Dual-node card-file cooling

FUNCTION 3
Service scope: Fan operation, airflow and cabinet temperature checks

FUNCTION 4
Exact installed identity and host compatibility

RELATED APTER POWER PAGES		
1	Honeywell 51401642-150	2
2	Honeywell 621-2200RC	3
3	Honeywell 8C-PAOH51 51454355-175	4
4	Honeywell 8C-TAIMA1 51307171-175	5
5	Honeywell 8C-TAOXA1 51307135-175	6
6	Honeywell 8C-TDILA1 51307141-175	7
7	Honeywell MC-PAOX3 51309152-175	8
8	Honeywell MC-TAIH12 51304337-150	9
9	Honeywell MC-TAOX12 51304335-175	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Honeywell TDC 3000
02	Matched Honeywell TDC 3000 host and field interface
03	Documented power, signal, communication and grounding connections
04	Approved configuration, diagnostics and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Honeywell TDC 3000
Interface role	cooling of the documented dual-node card-file installation
Field / power context	documented Honeywell TDC 3000 installed position
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 51401496-100 identity on the hardware and maintenance record.
- 2

Place the affected Honeywell TDC 3000 process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product type	Dual-node fan assembly	System family	TDC 3000
Part number	51401496-100	Installation role	Dual-node card-file cooling
Honeywell service description	FAN ASSY 2 NODE	Service scope	Fan operation, airflow and cabinet temperature checks

RELATED PRODUCT PAGES

1 Honeywell 51401642-150

2 Honeywell 621-2200RC

3 Honeywell 8C-PAOH51 51454355-175

4 Honeywell 8C-TAIMA1 51307171-175

5 Honeywell 8C-TAOXA1 51307135-175

6 Honeywell 8C-TDILA1 51307141-175

7 Honeywell MC-PAOX03 51309152-175

8 Honeywell MC-TAIH12 51304337-150

9 Honeywell MC-TAOX12 51304335-175

ENGINEERING BOUNDARY

Confirm 51401496-100, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 51401496-100 identity on the hardware and maintenance record.
- 2

Place the affected Honeywell TDC 3000 process in the approved maintenance state.
- 3

Record the installed position, connectors, terminals, wiring and configuration before removal.
- 4

Isolate all documented power and field energy and apply ESD controls where required.

Applications and Engineering Context

51401496-100 Dual-Node Fan Assembly

Provides cooling of the documented dual-node card-file installation in the approved Honeywell TDC 3000 architecture.

Installed-system maintenance

Preserves the documented slot, termination, wiring and configuration during replacement.

Controlled commissioning

Restores power and signals in the approved sequence and reviews diagnostics.

Acceptance verification

Confirms the intended channel, network or safety function before release.

TECHNICAL NOTE

Install 51401496-100 only in its documented Honeywell TDC 3000 position. Preserve the exact interfaces, wiring and configuration, then verify diagnostics and cooling of the documented dual-node card-file installation under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	51401496-100 recorded
Host / carrier	Honeywell TDC 3000
Physical interface	Installed terminals, ports and signals matched to the as-found record
Configuration	Approved Honeywell hardware and system configuration restored
Functional proof	Controlled test confirms cooling of the documented dual-node card-file installation

IMPORTANT NOTICE

Confirm 51401496-100, its exact host, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Honeywell 51401642-150

View Honeywell 51401642-150 page

2

Honeywell 621-2200RC

View Honeywell 621-2200RC page

3

Honeywell 8C-PAOH51 51454355-175

View Honeywell 8C-PAOH51 51454355-175 page

4

Honeywell 8C-TAIMA1 51307171-175

View Honeywell 8C-TAIMA1 51307171-175 page

5

Honeywell 8C-TAOXA1 51307135-175

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Honeywell 8C-TDILA1 51307141-175

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Honeywell MC-PAOX03 51309152-175

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Honeywell MC-TAOX12 51304335-175

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MANUFACTURER SOURCE RECORD

Honeywell TDC 3000 service parts record | Honeywell manufacturer publication

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.