

APTER POWER

COMPLETE PRODUCT INFORMATION

51304584-100

EPDGP I/O Assembly with Keyboard Power

Honeywell 51304584-100 is an EPDGP I/O assembly for a classic Universal Station with keyboard power. It interfaces the display-generator board to the operator keyboard, pointing device and peripheral connections.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Universal Station

PART

51304584-100

ORIGIN / HS

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PRODUCT OVERVIEW

Honeywell 51304584-100 is an EPDGP I/O assembly for a classic Universal Station with keyboard power. It interfaces the display-generator board to the operator keyboard, pointing device and peripheral connections.

1

Interfaces the enhanced peripheral display generator

2

Distributes keyboard power in classic furniture

3

Connects display and pointing-device cabling

4

Supports Universal Station operator hardware

SYSTEM COMPONENTS

EPDGP display generator

Engineer or supervisor keyboard

CRT adapter cable

Mouse or trackball connection

TECHNICAL DATA

PARAMETER	VALUE
Board type	EPDGP I/O
Station furniture	Classic

PARAMETER	VALUE
Keyboard power supply	Present

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TECHNICAL NOTE

Label every peripheral connector before removal and restore the documented default background pinning, keyboard power and pointing-device connection.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Classic Universal Station repair

Interfaces the enhanced peripheral display generator

Operator keyboard restoration

Distributes keyboard power in classic furniture

CRT interface maintenance

Connects display and pointing-device cabling

Display-generator I/O service

Supports Universal Station operator hardware

PRODUCT PRECAUTIONS

- 1 Verify the complete 51304584-100 marking and the assigned TDC 3000 Universal Station position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51304584-100.
- 3 Use ESD controls and protect the keyed connectors of 51304584-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm EPDGP display generator and Engineer or supervisor keyboard against the approved system configuration.
- 6 Restore 51304584-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for classic universal station repair before production release.

ENGINEER FAQ

Q1 Which EPDGP display generator identity must be verified before fitting the 51304584-100 EPDGP I/O Assembly with Keyboard Power?

Match the complete 51304584-100 marking, assigned TDC 3000 Universal Station position and installed EPDGP display generator before work.

Q2 How should Engineer or supervisor keyboard be isolated before disconnecting the 51304584-100 EPDGP I/O Assembly with Keyboard Power?

Place the affected process in its approved maintenance state, isolate applicable energy and prove Engineer or supervisor keyboard safe before disconnection.

Q3 What as-found wiring record is required for the 51304584-100 EPDGP I/O Assembly with Keyboard Power in Classic Universal Station repair?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51304584-100.

Q4 Which TDC 3000 Universal Station configuration must be checked when commissioning the 51304584-100 EPDGP I/O Assembly with Keyboard Power?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Universal Station configuration before enabling 51304584-100.

Q5 How can the 51304584-100 EPDGP I/O Assembly with Keyboard Power be function-tested for Operator keyboard restoration without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 51304584-100 EPDGP I/O Assembly with Keyboard Power stops performing its assigned system function?

Check seating, the matched EPDGP display generator, the condition of Engineer or supervisor keyboard and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51304584-100 EPDGP I/O Assembly with Keyboard Power used for CRT interface maintenance be transferred to another TDC 3000 Universal Station position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 Universal Station configuration before transferring 51304584-100 to a different duty.

Q8 What evidence should be retained after the 51304584-100 EPDGP I/O Assembly with Keyboard Power returns to Display-generator I/O service service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51304584-100.

SOURCE Honeywell Five/Ten-Slot Module Service | Figure 2-6

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