

51304831-100

TPDG I/O Board

CONTROLLED ENGINEERING COPY

Label every cable and record J10/J11 default CRT shading before removal, then verify display, touch, keyboard and pointing-device operation.



APTER POWER SALES TEAM

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51304831-100

01 PRE-INSTALLATION PLAN

1

Verify the complete 51304831-100 marking and the assigned TDC 3000 Universal Station position before field work.

2

Isolate the applicable power, network and field energy before disconnecting 51304831-100.

3

Use ESD controls and protect the keyed connectors of 51304831-100 during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm TPDG processor board and CRT and touchscreen cables against the approved system configuration.

MATCHED HARDWARE

- TPDG processor board
- CRT and touchscreen cables
- Keyboard interface board
- Mouse or trackball

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Board type	TPDG I/O
Assembly number	51304831-100
Default CRT shading	J10/J11 selectable

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FIELD NOTE

Label every cable and record J10/J11 default CRT shading before removal, then verify display, touch, keyboard and pointing-device operation.

03 COMMISSIONING WORKFLOW

1

Confirm 51304831-100 and part number 51304831-100 against the installed record.

2

Verify the physical connection to TPDG processor board.

3

Apply the documented technical values for board type.

4

Exercise the function: interfaces the turbo peripheral display generator.

5

Run a controlled test for universal station display repair.

6

Record the final state, diagnostics and operator acceptance before release.

04 RETURN-TO-SERVICE RECORD

- ☐ Restore 51304831-100 under controlled conditions and review the product-specific diagnostics.
- ☐ Complete a functional test for universal station display repair before production release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN	
DATE	
CABINET / POSITION	
FINAL DIAGNOSTIC STATE	

SOURCE IDENTIFIERS

Honeywell Five/Ten-Slot Module Service

Figure 2-15

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