

51304159-100

AMR Redundant AM Interface I/O Board

Honeywell 51304159-100 is an AMR redundant Application Module interface I/O board. It carries the hardware I/O path used by a redundant AM arrangement.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Application Module

PART

51304159-100

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PRODUCT OVERVIEW

Honeywell 51304159-100 is an AMR redundant Application Module interface I/O board. It carries the hardware I/O path used by a redundant AM arrangement.

1

Provides redundant Application Module interfacing

2

Carries AM redundancy I/O

3

Fits the documented cardfile position

4

Supports paired AM operation

SYSTEM COMPONENTS

Application Module pair

AM redundancy cable

Five/ten-slot cardfile

LCN node configuration

TECHNICAL DATA

PARAMETER	VALUE
Board type	AMR I/O
Function	Redundant AM interface I/O

PARAMETER	VALUE
Assembly	I/O board

APTER POWER

TECHNICAL NOTE

Capture the active/backup state and cable identity before removal, then verify redundancy status and controlled role transfer after installation.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Redundant AM maintenance

Provides redundant Application Module interfacing

Application Module failover support

Carries AM redundancy I/O

LCN node restoration

Fits the documented cardfile position

AM interface troubleshooting

Supports paired AM operation

PRODUCT PRECAUTIONS

- 1 Verify the complete 51304159-100 marking and the assigned TDC 3000 Application Module position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51304159-100.
- 3 Use ESD controls and protect the keyed connectors of 51304159-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Application Module pair and AM redundancy cable against the approved system configuration.
- 6 Restore 51304159-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for redundant am maintenance before production release.

ENGINEER FAQ

Q1 Which Application Module pair identity must be verified before fitting the 51304159-100 AMR Redundant AM Interface I/O Board?

Match the complete 51304159-100 marking, assigned TDC 3000 Application Module position and installed Application Module pair before work.

Q2 How should AM redundancy cable be isolated before disconnecting the 51304159-100 AMR Redundant AM Interface I/O Board?

Place the affected process in its approved maintenance state, isolate applicable energy and prove AM redundancy cable safe before disconnection.

Q3 What as-found wiring record is required for the 51304159-100 AMR Redundant AM Interface I/O Board in Redundant AM maintenance?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51304159-100.

Q4 Which TDC 3000 Application Module configuration must be checked when commissioning the 51304159-100 AMR Redundant AM Interface I/O Board?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Application Module configuration before enabling 51304159-100.

Q5 How can the 51304159-100 AMR Redundant AM Interface I/O Board be function-tested for Application Module failover support 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 51304159-100 AMR Redundant AM Interface I/O Board stops performing its assigned system function?

Check seating, the matched Application Module pair, the condition of AM redundancy cable and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51304159-100 AMR Redundant AM Interface I/O Board used for LCN node restoration be transferred to another TDC 3000 Application Module position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TDC 3000 Application Module configuration before transferring 51304159-100 to a different duty.

Q8 What evidence should be retained after the 51304159-100 AMR Redundant AM Interface I/O Board returns to AM interface troubleshooting service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51304159-100.

SOURCE Honeywell Five/Ten-Slot Module Service | Table 2-5

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