

51306803-100

Enhanced AMR II Printed Wiring Assembly

Honeywell 51306803-100 is the Enhanced AMR II printed wiring assembly for a TDC 3000 Application Module. It supports redundancy interfacing in an AM node.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TDC 3000 Application Module

PART

51306803-100

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PRODUCT OVERVIEW

Honeywell 51306803-100 is the Enhanced AMR II printed wiring assembly for a TDC 3000 Application Module. It supports redundancy interfacing in an AM node.

1

Provides the enhanced AM redundancy interface

2

Supports Application Module paired operation

3

Carries AMR II hardware functions

4

Fits the designated AM cardfile position

SYSTEM COMPONENTS

Application Module hardware

AM redundancy cabling

LCN node cardfile

AM configuration record

TECHNICAL DATA

PARAMETER	VALUE
Assembly type	PWA
Hardware name	Enhanced AMR II

PARAMETER	VALUE
Node type	AM

APTER POWER

TECHNICAL NOTE

Record the active AM role and redundancy cable positions, then verify synchronization and a controlled failover after replacing the PWA.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

AM redundancy maintenance

Provides the enhanced AM redundancy interface

Application Module modernization

Supports Application Module paired operation

LCN node repair

Carries AMR II hardware functions

AM failover diagnostics

Fits the designated AM cardfile position

PRODUCT PRECAUTIONS

- 1 Verify the complete 51306803-100 marking and the assigned TDC 3000 Application Module position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51306803-100.
- 3 Use ESD controls and protect the keyed connectors of 51306803-100 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm Application Module hardware and AM redundancy cabling against the approved system configuration.
- 6 Restore 51306803-100 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for am redundancy maintenance before production release.

ENGINEER FAQ

Q1 Which Application Module hardware identity must be verified before fitting the 51306803-100 Enhanced AMR II Printed Wiring Assembly?

Match the complete 51306803-100 marking, assigned TDC 3000 Application Module position and installed Application Module hardware before work.

Q2 How should AM redundancy cabling be isolated before disconnecting the 51306803-100 Enhanced AMR II Printed Wiring Assembly?

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

Q3 What as-found wiring record is required for the 51306803-100 Enhanced AMR II Printed Wiring Assembly in AM redundancy maintenance?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51306803-100.

Q4 Which TDC 3000 Application Module configuration must be checked when commissioning the 51306803-100 Enhanced AMR II Printed Wiring Assembly?

Verify the assigned channel, slot, node or interface and compare it with the approved TDC 3000 Application Module configuration before enabling 51306803-100.

Q5 How can the 51306803-100 Enhanced AMR II Printed Wiring Assembly be function-tested for Application Module modernization 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 51306803-100 Enhanced AMR II Printed Wiring Assembly stops performing its assigned system function?

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

Q7 Can the 51306803-100 Enhanced AMR II Printed Wiring Assembly used for LCN node repair 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 51306803-100 to a different duty.

Q8 What evidence should be retained after the 51306803-100 Enhanced AMR II Printed Wiring Assembly returns to AM failover diagnostics service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51306803-100.

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