

51303940-250

MC-FAN511 Cabinet Fan Assembly with Alarm

Honeywell 51303940-250 is the MC-FAN511 cabinet fan assembly with alarm. It provides forced airflow and an alarm contact for 240 Vac HPM cabinet installations.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TPS Process Manager cabinet hardware

PART

51303940-250

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PRODUCT OVERVIEW

Honeywell 51303940-250 is the MC-FAN511 cabinet fan assembly with alarm. It provides forced airflow and an alarm contact for 240 Vac HPM cabinet installations.

- 1

Moves cooling air through the control cabinet
- 2

Reports loss of cabinet airflow
- 3

Supports cabinet thermal management
- 4

Fits the documented HPM cabinet arrangement

SYSTEM COMPONENTS

- HPM cabinet fan position
- 240 Vac cabinet supply
- Airflow path
- Fan-alarm wiring

TECHNICAL DATA

PARAMETER	VALUE
Model alias	MC-FAN511
Supply	240 Vac

PARAMETER	VALUE
Alarm function	Included

APTER POWER

TECHNICAL NOTE

Confirm the documented cabinet feed and alarm-contact wiring before installation, then prove airflow direction and the fan-failure indication.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

HPM cabinet cooling

Moves cooling air through the control cabinet

Control-room cabinet ventilation

Reports loss of cabinet airflow

Fan-failure alarm circuits

Supports cabinet thermal management

Legacy TPS thermal maintenance

Fits the documented HPM cabinet arrangement

PRODUCT PRECAUTIONS

- 1 Verify the complete 51303940-250 marking and the assigned TPS Process Manager cabinet hardware position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 51303940-250.
- 3 Use ESD controls and protect the keyed connectors of 51303940-250 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm HPM cabinet fan position and 240 Vac cabinet supply against the approved system configuration.
- 6 Restore 51303940-250 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for hpm cabinet cooling before production release.

ENGINEER FAQ

Q1 Which HPM cabinet fan position identity must be verified before fitting the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm?

Match the complete 51303940-250 marking, assigned TPS Process Manager cabinet hardware position and installed HPM cabinet fan position before work.

Q2 How should 240 Vac cabinet supply be isolated before disconnecting the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm?

Place the affected process in its approved maintenance state, isolate applicable energy and prove 240 Vac cabinet supply safe before disconnection.

Q3 What as-found wiring record is required for the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm in HPM cabinet cooling?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 51303940-250.

Q4 Which TPS Process Manager cabinet hardware configuration must be checked when commissioning the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm?

Verify the assigned channel, slot, node or interface and compare it with the approved TPS Process Manager cabinet hardware configuration before enabling 51303940-250.

Q5 How can the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm be function-tested for Control-room cabinet ventilation 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 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm stops performing its assigned system function?

Check seating, the matched HPM cabinet fan position, the condition of 240 Vac cabinet supply and the model-specific diagnostics before replacing more hardware.

Q7 Can the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm used for Fan-failure alarm circuits be transferred to another TPS Process Manager cabinet hardware position without engineering review?

No. Confirm the hardware execution, connector scheme and approved TPS Process Manager cabinet hardware configuration before transferring 51303940-250 to a different duty.

Q8 What evidence should be retained after the 51303940-250 MC-FAN511 Cabinet Fan Assembly with Alarm returns to Legacy TPS thermal maintenance service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 51303940-250.

SOURCE Honeywell HPM Planning manual | HPM Planning 3/98

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