PRODUCT INFORMATION DASHBOARD

Honeywell 51303968-100

CMOS Backup Assembly

Honeywell 51303968-100 is the early-production PM/APM CMOS battery backup charger and monitor assembly.

PRODUCT ROLE

PM/APM CMOS backup

SYSTEM

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INTERFACE

Charging circuitry

SERVICE FOCUS

Early-production power system

Exact-model highlights

- PM/APM CMOS backup
- Charging circuitry
- Failure-alarm monitoring
- Early-production power system

Release questions

IDENTITY

Is the complete 51303968-100 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

Assembly function	CMOS battery backup charger and monitor
Part number	51303968-100
System application	PM/APM standard power system
Production context	Early production
Mounting location	Lower-right backpanel connector behind right power supply
Protection device	F1 time-delay fuse
Replacement access	Right power supply removed
Service classification	Periodic-maintenance ORU part

Application safeguards

SAFEGUARD 1

Match 51303968-100 on the installed assembly before removing the right power supply.

SAFEGUARD 2

Back up controller configuration before disturbing the CMOS backup path.

SAFEGUARD 3

Isolate the power system under the approved PM/APM maintenance procedure.

SAFEGUARD 4

Observe ESD controls and battery-handling precautions throughout the work.

Common applications

CMOS memory retention

Supports backup energy for volatile controller memory.

Battery charging

Maintains the installed CMOS backup cells during normal service.

Backup-failure monitoring

Reports a failure condition through the power-system monitoring path.

PM/APM maintenance

Provides the exact charger/monitor assembly for early-production power systems.

Interface checklist

- Backpanel side: Dedicated CMOS backup assembly connector
- Battery side: Backup cells located in the power-system chassis
- Alarm side: Failure-monitoring circuit reports backup faults
- Service side: Access through removal of the right power-supply module

Installation snapshot

STEP 1

Match the replacement label to Honeywell 51303968-100 and the approved site bill of material.

STEP 2

Review the recorded wiring, channel map and connector orientation before disturbing conductors.

STEP 3

Isolate hazardous energy and prove the required electrical condition at the work point.

STEP 4

Apply grounded ESD controls while handling the electronic assembly.

Model-specific FAQ

Q1 What is Honeywell 51303968-100?

It is a CMOS battery backup charger and monitor assembly for early PM/APM power systems.

Q2 Which systems use Honeywell 51303968-100?

It is documented for Process Manager and Advanced Process Manager standard power systems.

Q3 What does Honeywell 51303968-100 charge?

It maintains the battery path used to preserve volatile CMOS memory.

Q4 What monitoring function does Honeywell 51303968-100 provide?

Its circuitry reports a CMOS backup failure alarm.

Q5 Where is Honeywell 51303968-100 installed?

It connects at the lower-right area of the early-production power-system backpanel behind the right power supply.

Q6 What must be removed to access Honeywell 51303968-100?

The right power-supply module must be removed under the approved procedure.

Q7 Which fuse should be checked on Honeywell 51303968-100?

The board drawing identifies F1 as a time-delay fuse.

Q8 What should be tested after replacing Honeywell 51303968-100?

Verify charging operation, memory retention and the backup-failure alarm path.

Product precautions

1. Match 51303968-100 on the installed assembly before removing the right power supply.
2. Back up controller configuration before disturbing the CMOS backup path.
3. Isolate the power system under the approved PM/APM maintenance procedure.
4. Observe ESD controls and battery-handling precautions throughout the work.
5. Record battery polarity, connector orientation and alarm wiring before disconnection.
6. Inspect the F1 time-delay fuse and mating backpanel connector before installation.
7. Reinstall the right power supply only after the backup assembly is fully seated.
8. Verify memory retention, charging status and failure-alarm behavior before handover.

Related products

Verified related products on ApterPower

Honeywell FS-TSFIRE-1624
Safety-system termination reference
View Honeywell FS-TSFIRE-1624

Honeywell TA3840C
Honeywell control reference
View Honeywell TA3840C

Honeywell 51306975-175
Honeywell output termination reference
View Honeywell 51306975-175

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Share the exact 51303968-100 nameplate, application and required quantity for a model-specific quotation.