CC-SCMB02

C300 Memory Backup Assembly

Backup power path for C300 controller RAM retention

PRODUCT SNAPSHOT

BRAND	Honeywell
FAMILY	Experion C300 controller
PART	CC-SCMB02
ORIGIN / HS	USA / 8537101190

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PRODUCT OVERVIEW

Backup power path for C300 controller RAM retention

1. Provides as much as fifty hours of RAM retention
2. Supports one or two connected C300 controllers
3. Uses the documented RAM charger and mounting hardware
4. Connects through the approved controller and power cables

SYSTEM COMPONENTS

- one or two compatible C300 controllers
- 51199932-100 RAM charger
- 51202340-100 mount
- documented controller and power cables

TECHNICAL NOTE

De-energize the cabinet, identify both controller cables and the charger power lead, observe the mounting torque and verify backup status and retention diagnostics.

TECHNICAL DATA

PARAMETER	VALUE
Assembly type	C300 Memory Backup Assembly
Controller capacity	1 or 2 connected C300 controllers
Retention time	Up to 50 h
RAM charger	51199932-100
Mount	51202340-100

PARAMETER	VALUE
Controller cable	51202330-100; 30 in
Controller cable option	51202330-200; 84 in / 2 m
Power cable	51202331-100; 55 in / 1.4 m
Alternative-mount screw torque	3.9 N m

ENGINEERING NOTE

De-energize the cabinet, identify both controller cables and the charger power lead, observe the mounting torque and verify backup status and retention diagnostics.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC670ALG620	Related industrial automation product	**View IC670ALG620 page**
IC670ALG330	Related industrial automation product	**View IC670ALG330 page**
IC670ALG320	Related industrial automation product	**View IC670ALG320 page**
IC670ALG310	Related industrial automation product	**View IC670ALG310 page**
IC670ALG240	Related industrial automation product	**View IC670ALG240 page**
IC670ALG230	Related industrial automation product	**View IC670ALG230 page**
IC670FBI001	Related industrial automation product	**View IC670FBI001 page**
330162-03-45-45-45-05-05-94-...	Related industrial automation product	**View 330162-03-45-45-45-05-05-94-... page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

C300 power-loss recovery

Provides as much as fifty hours of RAM retention

Redundant controller memory retention

Supports one or two connected C300 controllers

Controller-cabinet resilience upgrade

Uses the documented RAM charger and mounting hardware

Memory-backup assembly renewal

Connects through the approved controller and power cables

PRODUCT PRECAUTIONS

1. Verify the complete CC-SCMB02 marking and its assigned C300 memory-backup position before work.
2. Place the connected process and control strategy in the approved maintenance state.
3. Isolate the applicable cabinet supply and backup-power field energy before disconnecting conductors.
4. Record terminal numbers, channel assignments, polarity, shields and configured ranges before removal.
5. Use ESD controls and protect the backplane connector, terminal hardware and coated electronics.
6. Confirm the installed C300 controller and 51199932-100 charger and carrier arrangement against the approved project.
7. Restore power in a controlled sequence and clear only diagnostics created by the maintenance activity.
8. Complete charger status, controller connection and retention diagnostics and retain the measured result before returning the channel to automatic service.

ENGINEER FAQ

Q1 Does CC-SCMB02 match one or two compatible C300 controllers in a C300 power-loss recovery installation?

Verify the complete CC-SCMB02 marking, the documented Experion C300 controller position and the installed one or two compatible C300 controllers before fitting the assembly.

Q2 How should CC-SCMB02 be wired when it must provides as much as fifty hours of ram retention?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for CC-SCMB02; then continuity-test the affected path.

Q3 Which Experion C300 controller records should be captured before removing CC-SCMB02?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with CC-SCMB02 before disconnection.

Q4 What controlled test confirms that CC-SCMB02 can supports one or two connected c300 controllers?

Apply the approved field or simulated stimulus, observe the Experion C300 controller indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which 51199932-100 RAM charger condition should be checked when CC-SCMB02 reports an abnormal state?

Check the 51199932-100 RAM charger supply, seating and connection first, then compare channel diagnostics with the recorded CC-SCMB02 baseline.

Q6 Can CC-SCMB02 be moved directly into Redundant controller memory retention without validating documented controller and power cables?

No. Confirm the documented controller and power cables, revision, connection scheme and Experion C300 controller configuration before transferring CC-SCMB02 to that duty.

Q7 What maintenance evidence is required after CC-SCMB02 is used for Controller-cabinet resilience upgrade?

Retain the nameplate record, corrective action, final diagnostics and a controlled controller-cabinet resilience upgrade functional-test result for CC-SCMB02.

Q8 How should CC-SCMB02 be returned to service in Memory-backup assembly renewal?

Restore power under control, verify uses the documented ram charger and mounting hardware, exercise the intended signal path and release CC-SCMB02 only after the Experion C300 controller remains in its approved operating state.

SOURCE Honeywell Series-C I/O User's Guide | EPDOC-X126-en-A

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