TECHNICAL REFERENCE / EXACT-MODEL DOSSIER

WESTINGHOUSE R-S108V01-16-24VDC-C5-1

Ovation DC Relay Panel

WESTINGHOUSE R-S108V01-16-24VDC-C5-1 is an Ovation DC relay panel with sixteen relay channels and a 24 VDC coil supply.

IDENTITY AND FUNCTION SNAPSHOT	
H1 Ovation relay-panel assembly	**H2** Sixteen relay channels
H3 24 VDC coil supply	**H4** C5 connector variant

Installed-system position

1	Ovation output command
2	24 VDC relay coils
3	Sixteen isolated contact paths
4	DC field circuits

Exact-model release boundary

Identity Keep WESTINGHOUSE R-S108V01-16-24VDC-C5-1 complete in drawings, labels and acceptance records.	**Evidence** Use only the exact-model and explicitly applicable family facts documented here.
Configuration Record cables, jumpers, settings and the installed functional position before work.	**Acceptance** Prove the affected control path before returning the equipment to service.

02 / SYSTEM ROLE AND INTERFACES

Architecture, interfaces and service boundaries

At the Ovation output boundary, WESTINGHOUSE R-S108V01-16-24VDC-C5-1 separates controller commands from DC field contacts through an assembled relay panel. Commissioning is performed channel by channel from coil command to contact response.

CONTROL PATH	
1	Ovation output command
2	24 VDC relay coils

3	Sixteen isolated contact paths
4	DC field circuits

Interface architecture

Logic boundary	Receives the installed Ovation output commands
Coil boundary	Uses the 24 VDC relay-coil supply
Contact boundary	Provides sixteen relay switching paths
Field boundary	Connects to the assigned DC field circuits

Interface acceptance checks

1

Isolate both the 24 VDC coil supply and every switched field circuit before handling WESTINGHOUSE R-S108V01-16-24VDC-C5-1.

2

Confirm the complete model string, sixteen-channel panel identity and C5 connector variant.

3

Record all relay assignments, coil wiring, contact wiring and safe states before removal.

4

Do not treat the 24 VDC coil value as a field-contact rating.

Engineering rule

A nearby WESTINGHOUSE family code does not establish interchangeability with R-S108V01-16-24VDC-C5-1; use the physical nameplate and controlled site records.

ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS

- Logic boundary: Receives the installed Ovation output commands
- Coil boundary: Uses the 24 VDC relay-coil supply
- Contact boundary: Provides sixteen relay switching paths
- Field boundary: Connects to the assigned DC field circuits

03 / VERIFIED TECHNICAL DATA

Engineering matrix and component map

Every populated row is a technical value supported by the reviewed exact-model record or an explicitly applicable WESTINGHOUSE family source.

Product type	DC relay panel
Platform	Ovation
Relay channels	16
Coil voltage	24 VDC
Contact service	DC field-contact circuits
Connector variant	C5
Part number	R-S108V01-16-24VDC-C5-1

CHANGE CONTROL

Record Capture the full model, revision, slot, connectors and as-found condition.	**Compare** Match every populated technical row to the replacement and project record.
Protect Apply controlled isolation, stored-energy and ESD practices.	**Prove** Complete the product-specific functional and safe-state checks.

Source applicability

Evidence record	Applicable scope
Exact-model plant procurement record: Ovation relay panel DC, 24 VDC coil, DC contact service	Supports only the exact-model or explicitly applicable family facts used in this document.
Exact-model relay-panel records identifying sixteen channels and C5 assembly variant	Supports only the exact-model or explicitly applicable family facts used in this document.

04 / SERVICE LOGIC AND ACCEPTANCE

Fault isolation and controlled return

1	Capture the fault, indicators and surrounding-system state
2	Verify exact identity, power boundary, cabling and installed position

3	Test WESTINGHOUSE R-S108V01-16-24VDC-C5-1 against the approved service procedure
4	Correct the isolated cause and restore the recorded configuration
5	Commission the affected path and archive measured evidence

Eight product-specific precautions

1 Isolate both the 24 VDC coil supply and every switched field circuit before handling WESTINGHOUSE R-S108V01-16-24VDC-C5-1.	**2** Confirm the complete model string, sixteen-channel panel identity and C5 connector variant.
3 Record all relay assignments, coil wiring, contact wiring and safe states before removal.	**4** Do not treat the 24 VDC coil value as a field-contact rating.
5 Inspect connector housings, relay retention and terminal condition before installation.	**6** Restore protective devices and separation between coil and switched circuits.
7 Test each coil command and corresponding contact state with the field circuit controlled.	**8** Release the panel only after all sixteen assigned channels and safe-state actions pass.

05 / ENGINEERING FAQ AND SUPPORT

Model-specific engineering decisions

Engineering decision	Controlled response
What type of device is WESTINGHOUSE R-S108V01-16-24VDC-C5-1?	It is an Ovation DC relay-panel assembly.
How many relay channels are identified for WESTINGHOUSE R-S108V01-16-24VDC-C5-1?	The panel identity specifies sixteen relay channels.
Which coil supply applies to WESTINGHOUSE R-S108V01-16-24VDC-C5-1?	The relay-coil supply is 24 VDC.
What does C5 identify in WESTINGHOUSE R-S108V01-16-24VDC-C5-1?	C5 is part of the complete connector or assembly variant and must be retained when matching the panel.
Can the 24 VDC value for WESTINGHOUSE R-S108V01-16-24VDC-C5-1 be used as a contact rating?	No. It identifies the coil supply and does not establish the switched-contact voltage or current rating.
What should be recorded before removing WESTINGHOUSE R-S108V01-16-24VDC-C5-1?	Record all sixteen relay assignments, coil terminals, contact terminals, protective devices and safe states.

Engineering decision	Controlled response
How should WESTINGHOUSE R-S108V01-16-24VDC-C5-1 be tested?	Command each relay through the Ovation output path and verify the corresponding coil and contact response with controlled field circuits.
What completes WESTINGHOUSE R-S108V01-16-24VDC-C5-1 commissioning?	All assigned relay channels, connector seating, protective devices and safe-state actions must pass the approved test.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 5X00059G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1X00024H01 WH1-2FF	Portfolio reference only; verify compatibility independently.

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Model record WESTINGHOUSE R-S108V01-16-24VDC-C5-1 Ovation DC Relay Panel Verify the complete nameplate before installation.

1 Ovation output command

2 24 VDC relay coils

3 Sixteen isolated contact paths

4 DC field circuits

VERIFIED DATA

- Product type: DC relay panel
- Platform: Ovation
- Relay channels: 16
- Coil voltage: 24 VDC
- Contact service: DC field-contact circuits
- Connector variant: C5

INTERFACE CHECKS

- Logic boundary: Receives the installed Ovation output commands
- Coil boundary: Uses the 24 VDC relay-coil supply
- Contact boundary: Provides sixteen relay switching paths
- Field boundary: Connects to the assigned DC field circuits

RELEASE CHECKLIST

1. Isolate both the 24 VDC coil supply and every switched field circuit before handling WESTINGHOUSE R-S108V01-16-24VDC-C5-1.
2. Confirm the complete model string, sixteen-channel panel identity and C5 connector variant.
3. Record all relay assignments, coil wiring, contact wiring and safe states before removal.
4. Do not treat the 24 VDC coil value as a field-contact rating.
5. Inspect connector housings, relay retention and terminal condition before installation.
6. Restore protective devices and separation between coil and switched circuits.
7. Test each coil command and corresponding contact state with the field circuit controlled.
8. Release the panel only after all sixteen assigned channels and safe-state actions pass.