WESTINGHOUSE 5X00489G01

Power Distribution Module

WESTINGHOUSE 5X00489G01 is an Ovation cabinet power-distribution module that establishes the documented main and auxiliary grounding relationship for supported I/O branches.

01	02	03	04
Ovation cabinet power distribution	Main grounding bar J10	Auxiliary grounding bar J11	Dedicated auxiliary branch fuse

System position

Cabinet power source	5X00489G01 distribution stage	Main and auxiliary branches	Ovation I/O loads

Product and release scope

Exact identity

WESTINGHOUSE 5X00489G01 is retained without shortening its suffix.

Engineering use

WESTINGHOUSE 5X00489G01 is a cabinet infrastructure module rather than a process I/O channel card. Commissioning focuses on branch protection, grounding bars and the power paths feeding locally powered inputs and relay-output bases.

Verification boundary

Only exact-model or explicitly applicable family facts are populated.

Acceptance

Connections, configuration, function and safe response require recorded proof.

Verified technical matrix

Product class	Power distribution module
Platform	Ovation I/O cabinet
Main grounding point	J10
Auxiliary grounding point	J11

Grounding requirement	Main GND and AUX GND referenced together where specified
Auxiliary fuse	12.5 A; 5 x 20 mm; 250 VAC / 125 VDC; Type T
Fuse part	1X00728H01L
Full model	5X00489G01

Interface architecture

Source boundary	Protection boundary	Grounding boundary	Load boundary
Cabinet main and auxiliary DC power	Branch fusing at the distribution module	J10 and J11 grounding bars referenced to earth	Downstream Ovation I/O and relay-output branches

Control path

Cabinet power source	5X00489G01 distribution stage	Main and auxiliary branches	Ovation I/O loads

Technical service focus

H1	H2	H3	H4
Ovation cabinet power distribution	Main grounding bar J10	Auxiliary grounding bar J11	Dedicated auxiliary branch fuse

Use cases with controlled scope

Locally powered analog loops	Relay-output branches	Cabinet maintenance	Power-fault isolation
Provides the documented main/auxiliary grounding reference for supported input arrangements.	Distributes auxiliary power to approved Ovation relay-output bases.	Centralizes branch-fuse and grounding-bar inspection.	Separates source, fuse, grounding and downstream branch checks.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 5X00489G01 remains complete in purchasing, drawings and labels.	Installed position and surrounding hardware are verified before exchange.	Project data, jumpers, wiring and settings are recorded as applicable.	Functional and safe-state evidence is captured before release.

Installation decision points

1	2	3	4
Open the upstream cabinet disconnect before handling WESTINGHOUSE 5X00489G01.	Verify absence of voltage on both main and auxiliary paths before touching J10 or J11.	Photograph and label every branch conductor, fuse position and grounding bar before removal.	Keep Main GND and AUX GND referenced together wherever the installed I/O configuration requires it.

System relationship

Cabinet power source	5X00489G01 distribution stage	Main and auxiliary branches	Ovation I/O loads

FAQ decision matrix

Engineering decision	Controlled response
What is WESTINGHOUSE 5X00489G01 used for?	It is the Ovation cabinet power-distribution module for main and auxiliary I/O branches.
Which point is Main GND on WESTINGHOUSE 5X00489G01?	The manual identifies J10 as the Main grounding bar.
Which point is AUX GND on WESTINGHOUSE 5X00489G01?	The manual identifies J11 as the Auxiliary grounding bar.
When must J10 and J11 be referenced together on WESTINGHOUSE 5X00489G01?	They must be referenced together for the documented locally powered analog-input and relay-output arrangements.

Eight release precautions

1 Open the upstream cabinet disconnect before handling WESTINGHOUSE 5X00489G01.	**2** Verify absence of voltage on both main and auxiliary paths before touching J10 or J11.	**3** Photograph and label every branch conductor, fuse position and grounding bar before removal.	**4** Keep Main GND and AUX GND referenced together wherever the installed I/O configuration requires it.
5 Replace the auxiliary fuse only with the documented Type T rating after clearing the branch fault.	**6** Do not mix relay-output bases with branches carrying a different auxiliary voltage.	**7** Torque and inspect every power and ground termination before energization.	**8** Energize branches in a controlled sequence and record voltage, fuse status, ground reference and downstream alarms.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Ovation I/O Reference Manual OW350_R1150, cabinet fuse, PDM and grounding sections	Supports only the exact-model or explicitly applicable family facts used in this document.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1C31166G02	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31169G02	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31189G01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 5X00489G01 Power Distribution Module Verify the complete nameplate before installation.