WESTINGHOUSE 5X00273G01

High-Side Output Personality Module

WESTINGHOUSE 5X00273G01 is the personality module for an Ovation sixteen-channel 24 VDC high-side digital-output subsystem.

01	02	03	04
Sixteen 24 VDC output channels	Per-channel suppression networks	Field-power filtering	Redundant-mode connectors

System position

Ovation output command	5X00270G01 switching electronics	5X00273G01 field interface	24 VDC field load

Product and release scope

Exact identity	Engineering use	Verification boundary	Acceptance
WESTINGHOUSE 5X00273G01 is retained without shortening its suffix.	WESTINGHOUSE 5X00273G01 forms the field-interface half of the Ovation HSDO module. It does not replace the 5X00270G01 switching electronics; both identities and the redundant interconnection arrangement must be checked together.	Only exact-model or explicitly applicable family facts are populated.	Connections, configuration, function and safe response require recorded proof.

02 / CAPABILITY AND INTERFACE MAP

Verified technical matrix

Product class	High-side digital-output personality module
Platform	Ovation HSDO
Channel count	16
Field voltage	24 VDC
Per-channel current	Up to 500 mA through the paired subsystem

Paired electronics	5X00270G01
Protection function	Voltage suppression network on each channel
Redundancy interface	Connectors for redundant-mode operation
Software applicability	Windows Ovation 3.0.4 and above

Interface architecture

Controller boundary	Personality interface	Redundant boundary	Field boundary
Output commands received by 5X00270G01	Suppression, field-power filtering and output routing	Cable connector links the two personality modules	Sixteen 24 VDC high-side loads

Control path

Ovation output command	5X00270G01 switching electronics	5X00273G01 field interface	24 VDC field load

Technical service focus

H1	H2	H3	H4
Sixteen 24 VDC output channels	Per-channel suppression networks	Field-power filtering	Redundant-mode connectors

Use cases with controlled scope

Solenoid-valve service	Relay and starter control	Redundant output service	Output-path troubleshooting
Routes protected 24 VDC commands to field solenoids.	Drives approved 24 VDC interface loads within the channel limit.	Supports the documented interconnection between redundant HSDO modules.	Separates logic command, switching electronics, field interface and load checks.

INTEGRATION CHECKPOINTS

Identity	Host system	Configuration	Acceptance
WESTINGHOUSE 5X00273G01 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
Isolate 24 VDC field power before handling WESTINGHOUSE 5X00273G01.	Confirm the G01 personality module and 5X00270G01 electronics pairing.	Record all sixteen output assignments and their safe states before removal.	Verify the field load and inrush current remain within the approved channel design.

System relationship

Ovation output command	5X00270G01 switching electronics	5X00273G01 field interface	24 VDC field load

FAQ decision matrix

Engineering decision	Controlled response
How many outputs are served by WESTINGHOUSE 5X00273G01?	It serves sixteen high-side digital-output channels.
Which field voltage applies to WESTINGHOUSE 5X00273G01?	The documented HSDO subsystem uses 24 VDC field power.
Which switching electronics belongs beside WESTINGHOUSE 5X00273G01?	The documented switching electronics module is 5X00270G01.
What protection does WESTINGHOUSE 5X00273G01 provide?	It provides a voltage-suppression network for each digital-output channel and filters 24 VDC field power.

Eight release precautions

1 Isolate 24 VDC field power before handling WESTINGHOUSE 5X00273G01.	**2** Confirm the G01 personality module and 5X00270G01 electronics pairing.	**3** Record all sixteen output assignments and their safe states before removal.	**4** Verify the field load and inrush current remain within the approved channel design.
5 Preserve the suppression network path; do not bypass personality-module protection.	**6** For redundant service, verify the interconnection cable and matching channel assignments.	**7** Inspect field-power polarity, return paths and connector seating before energization.	**8** Test each used output from command through field response and confirm the configured failure behavior.

Product verification and contact

Evidence applicability

Evidence record	Applicable scope
Ovation I/O Reference Manual OW350_R1150, High Side Digital Output section	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 1C31132G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31147G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31150G01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 5X00273G01 High-Side Output Personality Module Verify the complete nameplate before installation.