

WESTINGHOUSE 1X00188H01

HART Output Cavity Insert

WESTINGHOUSE 1X00188H01 is a molded cavity insert for the four-channel Ovation high-performance HART analog-output subsystem using 4-20 mA signals.

Job objective

Replace, install or verify the exact unit while preserving unrelated wiring, configuration, dimensions, weight and stored product data.

Safe-work boundary

Identify Match the complete model and every suffix to the physical unit.	Isolate Apply the plant-approved electrical, process and stored-energy isolation.
Preserve Back up configuration and photograph all connections and settings.	Control Use ESD protection and revision-controlled documentation.

Product-specific hazards and controls

1 Place all affected analog outputs in a controlled safe state before handling WESTINGHOUSE 1X00188H01.	2 Verify that the installed electronics module is 5X00167G01 and that the complete H01 insert identity matches.
3 Photograph the insert label and all four loop assignments before disconnecting field wiring.	4 Do not treat the molded insert as an electronics module; keep the associated 5X00167G01 identity in the work record.

Required evidence before work

Nameplate photo, installed-position record, connection map, configuration or jumper record, fault history and approved acceptance plan.

Readiness and interface checklist

Exact identity	WESTINGHOUSE 1X00188H01 matches the work order and physical unit
Installed position	Rack, slot, panel and functional assignment recorded
Configuration	Project data, jumpers, settings or calibration state captured
Connections	Every cable, terminal, shield and polarity labeled
Condition	Board, housing, connectors and packaging inspected
Test plan	Expected states, safe response and acceptance evidence agreed

Interface preparation

Mechanical boundary	Fits the personality-module position of the Ovation base
Wiring label	Identifies the terminal connections for four field output loops
Electronics pairing	Used with the 5X00167G01 high-performance HART output module
Field boundary	Four isolated 4-20 mA/HART output circuits

Pre-job evidence review

H1 Molded personality-position insert	H2 Four 4-20 mA HART output channels
H3 5X00167G01 electronics pairing	H4 High-performance 16-bit output subsystem

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare removed and replacement identities and revisions
3	Photograph, label and verify all connections and settings
4	Remove the existing assembly using ESD-safe handling
5	Inspect mounting, connectors, grounding, ventilation and surrounding hardware
6	Install the exact replacement without forcing connections
7	Restore cables, jumpers and settings from the controlled record
8	Complete final visual, continuity and polarity checks before energization

STOP CONDITIONS

Identity Stop if the complete model or revision does not match.	Connection Stop if connector orientation, polarity or terminal mapping is unresolved.
Configuration Stop if the as-found jumper, project or adjustment record is missing.	System Stop if grounding, cooling or the safe-state assignment is uncertain.

Staged return to service

Stage 1	Visual inspection, isolation release and controlled power-ready state
Stage 2	Apply power under observation and stop on abnormal indicators, heat or sound
Stage 3	Confirm module recognition, status indications and surrounding-system health
Stage 4	Verify every affected connection, signal or relay path
Stage 5	Exercise the documented function and configured safe response
Stage 6	Archive measurements, settings, results and as-left configuration

Product-specific acceptance focus

5 Preserve channel polarity, shield termination and segregation from switching-power conductors.	6 Inspect the molded guides, label, connector opening and base terminals for damage before installation.
7 Reconnect one loop at a time and verify current direction before enabling the output command.	8 Commission each used channel with commanded 4-20 mA points and confirm HART communication where the field device uses it.

Acceptance evidence

Identity Photo and record show the exact installed model.	Connections Terminal, cable and connector checks are complete.
Function The affected command, indication or supply path has been exercised.	Safe state Loss-of-power or loss-of-command behavior matches the approved design.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power boundary, position and connections
3	Compare configuration and revision-controlled records
4	Test the surrounding system before condemning the unit
5	Restore a safe state and document the verified outcome

Apter Power handover record

Model identity	Keep the complete WESTINGHOUSE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references

Related Apter Power references	Scope note
WESTINGHOUSE 1C31192G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31223G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31238H01	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 1X00188H01 HART Output Cavity Insert Verify the complete nameplate before installation.
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