WESTINGHOUSE 5X00357G04

Enhanced SOE Contact Input Module

WESTINGHOUSE 5X00357G04 is a sixteen-channel Ovation enhanced sequence-of-events contact-input module with an isolated on-card 48 VDC wetting supply.

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 Isolate field contacts and follow ESD controls before handling WESTINGHOUSE 5X00357G04.	**2** Confirm the complete G04 identity and 1C31238H01 field insert.
3 Record all sixteen point assignments, common-return wiring and the configured power-check channel.	**4** Do not connect any input or return conductor to earth ground.

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 5X00357G04 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

Contact boundary	Sixteen dry contacts and a common-return field circuit
Wetting boundary	Isolated on-card 48 VDC nominal supply
Event boundary	Debounce, transition qualification and time tagging
Controller boundary	Present-state and event-buffer data on the Ovation I/O bus

Pre-job evidence review

H1 Sixteen dry-contact inputs	**H2** 42-55 V open-contact wetting
H3 1/8 ms event-tag resolution	**H4** Ground-fault and power-check functions

03 / INSTALLATION SEQUENCE

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

Keep total closed-contact wiring resistance below the documented limit.

6

Correct ground faults before accepting event data from the affected module.

7

Test open and closed states and verify event timestamps against the synchronized I/O-bus clock.

8

Prove power-check, ground-fault, bad-quality and event-buffer behavior before release.

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 5X00300G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00419G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 5X00481G04	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 5X00357G04 Enhanced SOE Contact Input Module Verify the complete nameplate before installation.