WESTINGHOUSE 7379A21G01

QAV Analog Input Card

WESTINGHOUSE 7379A21G01 is a six-channel Q-Line QAV analog input card for isolated low-level millivolt acquisition.

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 all connected sensors before handling WESTINGHOUSE 7379A21G01.	**2** Match the complete G01 identity and installed QAV card level.
3 Record every channel range, polarity, shield and sensor assignment.	**4** Keep the connected source impedance within the 500-ohm limit.

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 7379A21G01 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

Sensor boundary	Six low-level analog field inputs
Isolation boundary	Separate transformer isolation per channel
Conversion boundary	Conditioning and voltage-to-frequency conversion
DIOB boundary	Buffered 13-bit values delivered to the controller

Pre-job evidence review

H1 Six isolated analog channels	**H2** -5 to +20 mV normal range
H3 13-bit digital output	**H4** Periodic auto-calibration

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 Preserve the configured 50/60 Hz operating selection where applicable.	**6** Inspect both front-edge field and rear-edge DIOB connectors before seating.
7 Allow the warm-up and auto-calibration cycle to complete before evaluation.	**8** Use traceable low-level signals to verify all commissioned channels.

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 7379A21G01 QAV Analog Input Card Verify the complete nameplate before installation.