GE IS220STAOH2A

Complete Product Information

GE IS220STAOH2A is a analog output terminal board for GE Mark VIe analog-output system.

01 Product identity and verified data

Board function	Analog output termination
Assembly relationship	IS230SNAOH2A
Companion I/O pack	PAOCH1B
Output paths	8 analog channels
Signal class	0–20 mA
Application arrangement	Simplex
Installation context	DIN-rail terminal assembly

02 Engineering overview

IS220STAOH2A provides field termination for the eight-channel analog-output path used in the IS230SNAOH2A simplex assembly. The terminal board and PAOCH1B I/O pack must be identified separately.

Field conductors terminate at the board while the companion pack performs output conversion and system communications. Loop polarity, shielding and customer-load wiring remain part of the installed engineering.

A replacement should preserve terminal numbering, channel assignments and connector alignment. Each output loop should be proven against the controller command and field-device response after reassembly.

03 Applications and compatibility

Installed-system service

Maintain the exact IS220STAOH2A identity when replacing the fitted analog output terminal board.

Configuration retention

Preserve application records, channel maps or hardware settings that belong to the installed system.

Controlled troubleshooting

Use the approved system diagnostics to separate module, wiring and companion-hardware faults.

Acceptance testing

Return the system to service only after representative functions match the recorded baseline.

04 Product precautions

Confirm the full marking

Match IS220STAOH2A and every visible revision or assembly identifier.

Preserve the as-found map

Record connectors, terminals, orientation and companion hardware before removal.

Apply the approved isolation

Use the complete system maintenance procedure and prove the required isolation.

Protect the hardware

Use ESD control and prevent mechanical load on connectors or board surfaces.

Restore configuration deliberately

Reapply only the approved installed settings, wiring and application records.

Retain acceptance evidence

Keep label photographs, test results, deviations and responsible sign-off.

05 Technical notes

Installation relationship	IS220STAOH2A belongs to the configured GE Mark VIe analog-output system hardware chain; the complete installed relationship governs replacement.
Protection	Follow the approved isolation, ESD and system-specific commissioning procedure before handling IS220STAOH2A.

Technical reference	GE Mark VIe analog-output assembly references and exact-model industrial records. The exact model is identified as the STAOH2A analog-output terminal-board element used with PAOCH1B in the IS230SNAOH2A assembly; pack-level functions are not assigned to the board alone.

06 Lifecycle Status

The current manufacturing and manufacturer-support phase of IS220STAOH2A is unconfirmed. Preserve its exact installed identity when planning service.

07 Available Unit Details

Offered reference	GE IS220STAOH2A
Identity check	Compare the complete marking, revision and connections with available unit photographs.
Included items	the IS220STAOH2A analog output terminal board; companion hardware and accessories only when itemized in the quotation

08 Technical FAQ

Why must terminal numbering be recorded before replacing IS220STAOH2A?

IS220STAOH2A is used at the analog-output termination point, so the physical terminal map must remain aligned with the controller channel map and loop drawing. Photograph the numbering and conductor tags before removal, then reconcile every restored connection before energization.

How should the companion I/O pack be checked for IS220STAOH2A?

The published GE hardware relationship pairs the STAOH2A terminal designation with PAOCH1A/1 or PAOCH1B/1 I/O-pack designations. Confirm the complete markings, installed connector relationship and approved system drawing instead of treating the terminal board as a stand-alone output module.

What polarity checks are required when reconnecting IS220STAOH2A output loops?

Verify the intended positive path and return path for each loop against the approved drawing before applying a command. A polarity error can produce an incorrect or absent field response even when the controller channel appears healthy.

How should cable shields and drain wires be restored on IS220STAOH2A?

Preserve the documented shield termination and routing for each connected loop. Confirm that the replacement work has not created an additional ground path or left a drain conductor connected at an unintended point.

How can an IS220STAOH2A channel fault be separated from an I/O-pack or field-device fault?

Trace the signal path in order: controller command, I/O-pack status, terminal-board connection, measured loop response and field-device action. Comparing these stages identifies whether the discrepancy originates in configuration, the companion pack, the terminal path, wiring or the load.

What field-load information should be reviewed before energizing IS220STAOH2A?

Confirm the connected device, loop assignment, return path and any site-approved protection or isolation shown on the installed drawing. Do not infer a field-load requirement solely from the terminal-board designation.

What is the safest commissioning sequence for restored IS220STAOH2A channels?

Commission one documented channel at a time with the plant in the approved test state. Compare the controller command, measured loop response and final-device action, then record the result before proceeding to the next channel.

Which identity details should be retained in the service record for IS220STAOH2A?

Retain the complete IS220STAOH2A marking, visible revision or assembly identifiers, installed position, companion I/O-pack marking, terminal photographs, channel map and final acceptance results. This preserves the exact board-pack relationship for future service.

09 Published GE hardware relationship

GE hardware class	General Purpose, Analogue I/O types
Published terminal designation	STAOH2A
Documented I/O-pack pairing	PAOCH1A/1 or PAOCH1B/1
Offered complete marking	IS220STAOH2A - retain every prefix, suffix and visible revision
Engineering boundary	The published pairing identifies the board-pack relationship; pack functions are not assigned to the terminal board alone.

10 Channel restoration and acceptance matrix

Terminal identity	Photograph terminal numbering and conductor tags before disturbance; restore each conductor to its documented point.
Channel assignment	Compare the physical terminal map with the controller channel map and approved loop drawing.
Polarity, return and shield	Verify the intended current path and preserve the documented shield termination without creating an additional ground path.
Functional proof	Confirm the connected field device, then test one channel at a time and compare command, loop response and final-device action.

11 GE Mark VIe platform context

Control applications	The published GE system description covers gas-turbine/generator, steam-turbine/generator, hydro-generator and gas-turbine/compressor configurations.
I/O domains	The control platform includes digital inputs, digital outputs, analog inputs and analog outputs.
Monitored variables	System I/O can represent temperatures, pressures, speeds, valve positions and other configured process parameters.
Controlled-output context	The platform description includes fuel-valve control, steam-valve control, load sharing, alarms and fault monitoring.
Safety response	Configured unsafe-operation detection can initiate alarms or trips and communicate the resulting status through the control network.
Architecture choices	Published configurations include simplex, dual and triple-modular-redundant control arrangements.
Applicability boundary	These are system-level Mark VIe functions. They define integration context and do not assign an unstated electrical rating to IS220STAOH2A.

12 Enquiry workflow

Review your reference	Send the complete IS220STAOH2A marking, installed-position photographs and required quantity.
Confirm the offer	Confirm the offered revision, condition, included items and documented system fit in the quotation.
Arrange dispatch	Agree quantity, dispatch date and delivery details in the quotation.

13 Related product references

Recommended model	GE IS220PSVOH1B
Recommended model	GE IS200STTCH2A
Recommended model	GE IS230SNAOH2A
Recommended model	GE IS220PTCCH2B
Recommended model	GE IS220STAIH2A

Confirm the complete IS220STAOH2A marking, installed relationship and required quantity with Apter Power.

sales13@apterpower.com | +86 18030235313