GE IS200VCRCH1B

Discrete I/O Board

GE IS200VCRCH1B is a Mark VI VME discrete I/O processor board for time-stamped contact inputs and relay-output processing through TBCI and TRLY terminal boards.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	**Isolate** Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	**Control** Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Model-specific release focus

- Mark VI single-slot VME discrete I/O processor
- 1 ms contact-input sequence-of-events time stamp
- TBCI contact-input and TRLY relay-output interfaces
- Hardware and firmware identity packet to VCMI

Readiness checklist

Exact identity	GE IS200VCRCH1B matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

TBCI	Contact-input termination; two boards provide the documented 48-point arrangement
TRLY	Relay-output termination; two boards provide the documented 24-output arrangement
VCMI	Receives board catalog, revision, serial, firmware and terminal-board identity data
Toolbox configuration	Downloads I/O configuration and tune-up data over the control network

Interface evidence for acceptance

- TBCI: Contact-input termination; two boards provide the documented 48-point arrangement
- TRLY: Relay-output termination; two boards provide the documented 24-output arrangement
- VCMI: Receives board catalog, revision, serial, firmware and terminal-board identity data
- Toolbox configuration: Downloads I/O configuration and tune-up data over the control network

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration-control record

- Relay-output capacity: 24 points with two TRLY terminal boards
- Event time stamp: 1 ms for VCRC contact inputs
- I/O arrangement: TMR or simplex
- Terminal-board identification: ID wire in the 37-pin cable

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1

Inspect the terminal-board ID-wire path and cable pins before energization.

2

Restore the approved Toolbox I/O configuration instead of copying settings from another rack.

3

Check contact wetting sources and relay-load isolation before forcing any point.

4

After replacement, test point mapping, SOE time stamps, relay outputs and all associated permissives.

Commissioning decision points

- Inspect the terminal-board ID-wire path and cable pins before energization.
- Restore the approved Toolbox I/O configuration instead of copying settings from another rack.
- Check contact wetting sources and relay-load isolation before forcing any point.
- After replacement, test point mapping, SOE time stamps, relay outputs and all associated permissives.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete GE 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	Scope note
GE IS200TBCIH1BBC	Portfolio reference only; verify compatibility independently.
GE IS200TREAH1A	Portfolio reference only; verify compatibility independently.
GE IS200TRTDH1CCC	Portfolio reference only; verify compatibility independently.

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Handover evidence to retain

- Exact identity retained: GE IS200VCRCH1B
- TBCI / TRLY terminal boards
- IS200VCRCH1B I/O processing
- Archive as-left checks and measured results before release.