GE IS200EXAMG1A

Exciter Attenuator Module

GE IS200EXAMG1A is the EX2100 attenuation module that couples the field-circuit sense resistor to EGDM or EROC ground-detection hardware using a controlled low-frequency test signal and returned measurement path.

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

- Auxiliary-cabinet field-ground attenuation module
- Sense resistor connected to the generator field network
- Works with EGDM or EROC ground-detection hardware
- Dedicated control and sense cable between detector and EXAM

Readiness checklist

Exact identity	GE IS200EXAMG1A 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

Field resistor network	Connects across the generator or exciter field circuit for leakage measurement
Test-signal path	Carries the low-frequency square wave from EGDM or EROC to the sense resistor
Measurement return	Returns resistor voltage to the detector for conditioning and conversion
Redundancy relay	Selects the active M1 or M2 detector source in redundant systems

Interface evidence for acceptance

- Field resistor network: Connects across the generator or exciter field circuit for leakage measurement
- Test-signal path: Carries the low-frequency square wave from EGDM or EROC to the sense resistor
- Measurement return: Returns resistor voltage to the detector for conditioning and conversion
- Redundancy relay: Selects the active M1 or M2 detector source in redundant systems

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

- Applied test signal: Low-frequency ±50 V square wave supplied by the ground detector
- Sensing element: Sense resistor within a field-connected resistor network
- Detector interface: Single control-and-sense cable to EGDM or EROC
- Redundant operation: Detector-source selection controlled between M1 and M2 through controller C

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 dedicated cable and its shield/ground arrangement before reconnecting EGDM or EROC.

2

In redundant systems, confirm the controller-C selection relay transfers the test source between M1 and M2 as designed.

3

Do not megger or inject an external test voltage through the EXAM circuit unless the approved EX2100 procedure permits it.

4

After work, perform the documented ground-detection functional test and verify alarms without leaving the field circuit energized unattended.

Commissioning decision points

- Inspect the dedicated cable and its shield/ground arrangement before reconnecting EGDM or EROC.
- In redundant systems, confirm the controller-C selection relay transfers the test source between M1 and M2 as designed.
- Do not megger or inject an external test voltage through the EXAM circuit unless the approved EX2100 procedure permits it.
- After work, perform the documented ground-detection functional test and verify alarms without leaving the field circuit energized unattended.

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 IS200TDBTH2ACD	Portfolio reference only; verify compatibility independently.
GE IS200TBCIH1BBC	Portfolio reference only; verify compatibility independently.
GE IS200STCIH2A	Portfolio reference only; verify compatibility independently.



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Handover evidence to retain

- Exact identity retained: GE IS200EXAMG1A
- IS200EXAMG1A resistor and attenuation network
- EGDM or EROC ground detector
- Archive as-left checks and measured results before release.