GE IS200EISBH1AAB

Exciter ISBus Communication Board

ISBus Section Mapping and Optical Feedback Restoration

Rebuild the communication topology from the control section outward, keeping the service interface and field-feedback proofs independent.

Before You Order

Board role	Confirm the requirement is EISB communication rather than EMIO terminal I/O or ACLE application control.
Section and rack	Obtain the simplex or M1/M2/C position and the corresponding backplane arrangement.
Optical map	Collect source-to-receiver labels for the fibers associated with the board.

The installed relationship

Controller side	Assigned DSPX section -> EISB communication path
Measurement side	Field measurement source -> labeled optical route -> EISB receiver
Service side	Toolbox/keypad RS-232C route -> backplane -> controller

The communication and form-factor information describes the EISB design. Preserve the full H1AAB board identity; fiber destinations and controller position remain installation-specific.

EX2100 controller communication — fault decisions

Service works, one feedback absent	Trace the specific fiber and measurement source rather than changing the common service path.
Wrong section appears affected	Reconcile the M1/M2/C destination record before exchanging boards.
Fault follows rack disturbance	Inspect seating and released optical connections before assuming a new control failure.

Carry the decision into the installation

1 Locate the receiving control section	Record whether the board belongs to M1, M2 or C and identify its DSPX/backplane relationship.
2 Label optical quantities	Trace each affected feedback source to its existing front optical connection.
3 Preserve service connections	Keep toolbox/keypad serial paths distinct from the field-measurement fibers.
4 Restore the backplane fit	With the module isolated, compare the recorded slot and connector seating before reconnecting fibers.
5 Prove the feedback routes	Observe the intended measurements in the correct control section, not just optical or service activity.
6 Check service access independently	Verify the retained toolbox/keypad function without treating it as proof of every feedback channel.

As-left proof

Topology proof

All disturbed fibers return to their recorded source and controller section.

Service proof

The applicable toolbox/keypad path operates as required.

Measurement proof

The affected optical-feedback quantities are observed and accepted independently.

Communication Roles That Must Remain Distinct

EISB	ISBus, optical feedback and the documented service-interface path.
EMIO	Customer terminal-board I/O processing.
ACLE/ACLA	Network communication and outer-loop control functions.

Decisions from the observed installation

A serial cable fault is mistaken for failed field feedback

Investigate the service path without changing the optical channel map.

Identical-looking section positions cause a fiber swap

Resolve the cabinet section labels and re-prove the disturbed quantities.

The evidence to retain for IS200EISBH1AAB

Connection evidence	Section, slot, fiber source, receiver and service-port route.
Duty evidence	Separate results for section communication, service operation and each affected measurement.

Technical basis

GE EX2100 Excitation Control User Guide GEH-6632G

Related product references

Separate supply references; listing does not establish interchangeability.

GE IS200EPSMG1AED	Exciter Power Supply Module; separate supply reference
GE IS200TRLYH1BHH	Relay Output Terminal Board; separate supply reference

Discuss IS200EISBH1AAB and the installed application with Apter Power.
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