GE IS200EPSMG1AEC

Installation & Commissioning Guide

Auxiliary-Rail and Contact-Wetting Fault Separation

Prove the actual external function after restoring the rail and its reference, rather than accepting a healthy controller alone.

Before You Order

Load map	Identify the affected feedback, de-excitation or contact-wetting circuit.
Reference map	Record which rail and return serve each load.
Revision map	Retain the full G1AEC marking and approved compatibility record.

Installed interfaces and selection

Auxiliary circuit	EPSM ±24 V -> identified exciter feedback/de-excitation load.
Wetting circuit	Isolated +70 V -> EXHS/ECTB contact function.
Control circuit	Separate generated rails -> served EX2100 controller.

Engineering values in use

Rail distinction	The same supply module supports several electrically distinct functions.
Load distinction	EDEX/EGDM/EDCF duties are separate from EXHS/ECTB contact wetting.
Revision distinction	Shared family rail names do not authorize an undocumented hardware revision exchange.

Rails describe the EPSM excitation-control design and their stated connected loads. No undocumented output-current capability, auxiliary daughterboard fit or ADC/AEC revision equivalence is implied.

Model-specific work decisions

Capture the failed function	Record the receiving indication and controller state before isolation.
Trace the correct rail	Separate wetting supply from the bipolar auxiliary circuit.
Retain reference connections	Label returns and backplane relationships before removal.
Restore and measure	Check the intended rail at the identified load under the approved method.
Prove the receiving action	Verify the contact or feedback behavior, then review overall controller health.

Interpret the observed fault

Controller healthy, contact absent

Trace the isolated wetting supply and receiving contact circuit.

Feedback lost with auxiliary alarm

Compare auxiliary power and signal evidence before replacing the sensor path.

Correct rail, incorrect response

Review reference wiring and actual load identity.

Acceptance evidence

Reference proof	Dedicated and isolated returns retain the approved circuit.
Electrical proof	The affected rail is measured at its intended load.
Functional proof	The receiving contact or feedback function returns correctly.

Technical basis: GE EX2100 Excitation Control User Guide GEH-6632G.

Related GE product references

Separate supply references; these links do not establish interchangeability.

GE DS200TCPSG1AME
Power Supply Board

GE DS3800NGDC1A1A
Ground Detector Module

GE DS3800NGDD1C1B
Field Ground Detector Card

GE IS400AEBMH1AJD
Alternative Energy Bridge Module

GE IS220PPROH1A
Emergency Turbine Protection I/O Pack

GE SF412024 517-0224-16A-504376 820-0297
Circuit Board Assembly

GE 46-288512G1-F
Gantry I/O Board

GE IS420YAICS1B
Functional Safety Analog Input/Output Pack

GE IS200EPSMG1ADC
Exciter Control Power Supply Module

GE IS200TRLYH1BHH
Relay Output Terminal Board

Discuss IS200EPSMG1AEC and its installed application with Apter Power.
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