DS3800NGDC1A1A

Ground Detector Module

General Electric DS3800NGDC1A1A is a ground detector module for Mark IV Speedtronic protection hardware.

DS3800NGDC1A1A configuration dashboard

Installed-system continuity

Supports ground-fault detection within the documented Mark IV control hardware without redefining the approved equipment architecture.

Identity-led replacement

The complete DS3800NGDC1A1A marking keeps revision, interface and fitted-position decisions tied to the actual unit.

Controlled return to service

Connector, terminal, setting and diagnostic evidence are checked before the affected function is released.

Exact order-code identity

Product type	Ground Detector Module
Product family	DS3800 / Mark IV
Functional acronym	NGDC
Module function	Ground detection
System family	Mark IV Speedtronic
Board transistors	3
Integrated circuits	4
Test points	TP0 through TP5

DS3800NGDC1A1A performs a defined ground detector module role: it supports ground-fault detection within the documented Mark IV control hardware. Selection is based on the complete marking and the documented DS3800 / Mark IV execution.

Ground Detector Module technical capability map

Terminal hardware	Two-position block and five-position strip	**Revision suffix**	C1A1A

Installed signal or connection path

Field signal > **Termination block** > **DS3800NGDC1A1A** > **LocalBus** > **Control strategy**

System interpretation boundary

The verified technical rows distinguish exact-model identity from family-level system context. Dimensions and weight are shipping estimates supplied for this offered item; technical acceptance follows the installed drawing and manufacturer evidence.

Before exchange, record the fitted position, every connector or terminal identity, adjustable settings and the healthy operating baseline. After installation, prove the affected function under a controlled site procedure.

Application fit decisions for DS3800NGDC1A1A

Exact-model service replacement

Replace the same DS3800NGDC1A1A execution after documenting the installed interface.

System maintenance

Retain the Mark IV Speedtronic protection hardware relationship and approved drawing references.

Controlled fault isolation

Separate board, wiring, power and companion-hardware causes before substitution.

Commissioning evidence

Capture diagnostics and a functional test of the affected ground detector module path.

Engineering decision matrix

Which installed identity details must be recorded for DS3800NGDC1A1A?	Record the full label, fitted position, connector or terminal map, and every adjustable setting before removal.
What interface check is most important before replacing DS3800NGDC1A1A?	Compare the receiving hardware and every keyed, numbered or polarized connection with the approved drawing.

How should settings be controlled when servicing DS3800NGDC1A1A?	Photograph and transcribe jumpers, switches, firmware or range selections that apply to this exact execution.
What should be inspected before fitting DS3800NGDC1A1A?	Inspect contacts, terminal hardware, board supports, protective earth and nearby wiring for damage or contamination.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

DS3800NGDC1A1A service controls and maintenance logic

Capture the complete marking

Photograph DS3800NGDC1A1A and all secondary labels before removal.

Preserve installed settings

Record jumpers, switches, firmware, ranges or calibration references that apply.

Control stored energy

Follow the approved isolation and electrostatic handling procedure.

Label every connection

Mark conductors, plugs, fibers or tubing by their installed identifiers.

Inspect mating hardware

Check contacts, terminals, guides, supports and protective earth.

Prove the affected function

Verify diagnostics and actual process or equipment response before handover.

Additional technical questions

Which companion hardware must be verified with DS3800NGDC1A1A?	Confirm the associated controller, terminal board, rack, power source or field device named by the installed design.
How should energization be managed after installing DS3800NGDC1A1A?	Restore energy in the approved sequence, watch diagnostics, and stop if the expected healthy state is not obtained.
What functional proof adds technical value for DS3800NGDC1A1A?	Exercise the affected signal, protection, power or communications path and retain before-and-after readings.
What handover record is required after commissioning DS3800NGDC1A1A?	Keep the exact part marking, installed photographs, settings, test results, deviations and responsible approval.

Technical notes

Evidence boundary	GE Mark IV exact-model hardware record
Exact-model rule	Do not infer interchangeability from a similar family code; match DS3800NGDC1A1A completely.
Acceptance record	Retain identity, interface, settings, diagnostics and functional proof.
Installed function	DS3800NGDC1A1A is controlled as the ground detector module used in Mark IV Speedtronic protection hardware.
Receiving comparison	Compare complete marking, mechanical execution, connectors and all secondary labels before acceptance.
Connection record	Retain connector, terminal, cable or field-device identities in their installed sequence.
Setting record	Preserve every fitted jumper, switch, firmware, range or adjustment reference that applies.
As-found baseline	Capture the healthy static value, indication or communications state before disturbing the assembly.
As-left proof	Record diagnostics plus a controlled functional result for the affected ground detector module path.
Document package	File photographs, test readings, deviations, approvals and the applicable drawing revision together.

DS3800NGDC1A1A source record and supported references

Manufacturer reference	GE Mark IV exact-model hardware record
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	General Electric DS200DTBCG1AAA
Recommended product	General Electric DS200TBCAG1AAB
Recommended product	General Electric DS200TBQBG1ACB
Recommended product	General Electric DS200TBQCG1ABB
Recommended product	General Electric DS200TCPSG1AME

Discuss the exact marking and installed relationship with Apter Power.
sales13@apterpower.com | +86 18030235313