GE IS200TRLYH1BHH

Relay Output Terminal Board

GE IS200TRLYH1BHH is a Mark VI relay terminal board with voted coil-drive feedback and a mixture of fused solenoid branches and dry-contact circuits.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	IS200TRLYH1BHH
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	33cm x 17.5cm x 5.8cm
Country of Origin	USA
Manufacturer	General Electric
Product Category	Gas Turbine Control
Spare Part Number	IS200TRLYH1BHH
Weight	1.16 kg

Buyer information / Overview

The H1B relay arrangement matters when replacing a terminal board: H1C monitors contact voltage, while H1D uses a different six-channel arrangement. These are different diagnostic and wiring choices.

Coil-command supervision

The feedback checks relay drive rather than proving the voltage delivered to the field load.

Selective field powering

Fused solenoid branches and dry-contact duties must remain assigned to their original circuits.

Redundant control fit

Voted coil drive supports the documented simplex or TMR input arrangement.

The TRLYH1B implementation uses socketed, sealed mechanical Form C relays. MOV suppression belongs to this design; H1C adds a different contact-voltage feedback arrangement and R-C suppression. A spare selected solely by the TRLY name can therefore change the monitored fault boundary.

Field wiring terminates at barrier terminals. The six fused branches and the special unfused branch are separate power-distribution features; neither should be treated as a universal power feed for every relay. Keep the field supply, branch protection and dry-contact assignments tied to the turbine wiring record.

Coil-drive voting is compatible with simplex or TMR control inputs in the documented architecture. A successful command or healthy coil indication still requires a separate field-side proof: observe the intended load response and verify the de-energized contact state before releasing the circuit.

Controller platform reference: Mark VI relay I/O. Retain the documented GE configuration.

Technical Specifications

Relay channels	12, Form C
Contact current at 24 V DC	3 A
Contact current at 125 V DC	0.6 A
Contact current at 120/240 V AC	3 A
Fused output branches	6
Special unfused branch	1
Barrier terminals	48

Technical source: GE Mark VI Control System Guide GEH-6421H, Volume I. Relay data describe the TRLYH1B design within the offered H1BHH identity. The final HH revision is retained for hardware matching; the comparison does not establish revision interchangeability.
Apter Power product summary. Original technical pages and a field guide are available in Downloads.

Applications / Compatibility

TRLYH1B belongs to the Mark VI relay-output interface; its coil-current diagnostic boundary differs from the H1C contact-voltage variant.

Apply the stated ratings to the actual contact duty. Form C relays, fused power branches and voted control signals describe different parts of the installation.

Turbine auxiliary relay duty

Use the Form C contact arrangement for the documented auxiliary circuit. Match its operating voltage and load to the contact rating, then check the required normal and alarm states.

Solenoid branch restoration

Retain the original fused-branch allocation and field supply. A relay command does not establish that the solenoid feed, fuse and return circuit are intact.

Simplex relay interface
Keep the simplex I/O connection and configured channel assignment together. Do not add a redundant-cable assumption merely because additional terminal-board connectors exist.

TMR coil voting
Restore the recorded R/S/T control paths where TMR is used. Preserve coil voting and prove the commanded state with the field circuit under an approved test condition.

Product Precautions

Prepare GE IS200TRLYH1BHH using the following checks for its documented interface and system duty.

Separate field power
Isolate each external relay-contact supply as well as the control-side supply.

Keep branch identities
Record fuse positions and dry-contact channels before moving wires.

Confirm the diagnostic variant
Compare H1B with the installed board; H1C and H1D have materially different feedback duties.

Check contact duty
Review voltage, load and existing suppression for the switched circuit.

Seat relay components
Inspect socket retention, terminals and the condition of suppression components.

Prove the field result
Test the receiving load and released state; a healthy coil command alone is insufficient.

Lifecycle Status

The current factory lifecycle phase of IS200TRLYH1BHH is unconfirmed. H1B identifies the Mark VI relay design with voted coil-drive supervision.

Spare selection must preserve the twelve Form C duties and installed branch protection. H1C contact-voltage feedback and H1D six-relay circuitry change the diagnostic and wiring requirements.

The terminal board, its installed relay components and any separately required control cables are identified individually in the offer.

Available Unit Details

Offered reference	GE IS200TRLYH1BHH
Identity check	Available photographs should show the H1BHH board marking, relay sockets, fuse holders and the complete terminal strip.
Physical review	Supply review covers visible socket retention, fuse-holder damage and terminal condition. Contact switching and actuator response require an installed-circuit test; photographs do not establish them.
Included items	one relay terminal board; field cables and external branch supplies are separate unless expressly listed

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Feedback boundary	H1B monitors voted coil drive; it does not provide the H1C contact-voltage feedback function.
Circuit allocation	A fuse-fed solenoid branch and a dry Form C contact must not be treated as the same field circuit.
Coil versus load proof	A voted coil-drive indication and an energized field load are different observations. Test the customer supply, protected branch and switched output separately.

Alternative Names

GE IS200TRLYH1BHH

Frequently Asked Questions (FAQ)

1. Can IS200TRLYH1BHH be replaced by a TRLYH1C without changing the diagnostic review?

No automatic substitution is established. H1C adds isolated contact-voltage feedback and R-C suppression, whereas H1B supervises voted coil drive. Compare the configured fault logic and circuit drawings before approving a change.

2. Does a healthy coil indication on IS200TRLYH1BHH prove that a solenoid has energized?

It proves only the monitored drive condition. A fuse, field supply, contact or return fault can still prevent load operation; check field voltage and the intended actuator response through an approved test.

3. Why must the fused branches of IS200TRLYH1BHH be recorded separately from dry contacts?

The branches distribute external power, while a dry contact switches the circuit provided by the installation. Preserve their individual supply and protection assignments when transferring wiring.

4. What changes if IS200TRLYH1BHH is installed in a simplex system instead of TMR?

The control-input arrangement changes. Restore the actual simplex cable and configured I/O assignment; the presence of connectors for redundant control does not create a TMR installation.

5. Is the H1D relay arrangement equivalent to IS200TRLYH1BHH for a twelve-channel circuit?

No. The H1D comparison uses six Form A relays and a different solenoid-integrity diagnostic. Compare contact form, channel allocation and monitoring requirements before considering that design.

6. How should the AC and DC contact ratings of IS200TRLYH1BHH be applied?

Select the rating for the actual switched voltage and duty. Do not apply the 24 V DC current limit to a 125 V DC circuit; also retain the circuit-specific fuse and suppression design.

7. Why can only one solenoid remain off while the other outputs of IS200TRLYH1BHH respond?

Start with that channel’s assigned branch feed, fuse, relay contacts and field return. Compare coil-drive feedback with measured contact-side voltage; common I/O communication can remain healthy while a single protected branch is open.

8. How should a dry-contact duty be tested after fitting IS200TRLYH1BHH?

Use the installed contact assignment and an approved isolated test circuit to compare the commanded and released contact states. A dry contact does not supply its own field power; verify the actual receiving circuit separately.

Downloads

The technical reference covers Mark VI relay I/O. The independent field guide develops relay branches, coil feedback and field-load proof.

IS200TRLYH1BHH Original Technical Reference Excerpt	Selected original manufacturer pages for the applicable interfaces and technical data. PDF · 1 pages · 1020.2 KB.
IS200TRLYH1BHH Installation & Commissioning Guide	Relay Branches, Coil Feedback and Field-Load Proof. Plan the change around the powered branch and dry-contact map, then separate the relay command from the actual field response. PDF · 2 pages · 92.1 KB.

Selected original technical pages and a separate installation guide support this product.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include IS200TRLYH1BHH and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered IS200TRLYH1BHH reference with the installed equipment and applicable GE documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

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Related product references

Separate supply references; listing does not establish interchangeability.

GE IS200EDCFG1AED	Exciter DC Feedback Board; separate supply reference
GE IS200EISBH1AAB	Exciter ISBus Communication Board; separate supply reference

Discuss IS200TRLYH1BHH and the installed application with Apter Power.
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