GE GE □□□ Series Service Manual

IS200BPIIH1AAA

1. Description

IS200BPIIH1AAA Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**General Electric**
Series	**Mark VI Speedtronic**
Functional	**Part Number IS200BPIIH1AAA**
Functional	**Abbreviation BPIH**
Revision	**Total 3 Revisions**
Backwards-Compatibility	**1st two revisions**
PCB	**Coating Style Conformal Coating**

3. Product Information

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Backwards-Compatibility 1st two revisions

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About the IS200BPIIH1AAA

The IS200BPIIH1AAA, from the GE Speedtronic Mark VI series, is a Bridge Power Interface circuit board designed for use in Innovation Series drives. The Mark VI Turbine Control System Series that this IS200BPIIH1AAA Bridge Power Interface Board is ultimately a member of has to be defined as existing with a specific possible series of functional applications in the management and control systems of General Electric-compatible gas, steam, and wind turbine automated drive assemblies. This is quite the significant functional upgrade upon the previously-existing Mark V Turbine Control System Series of just about the same full extended series title, as the Mark VI Series added the alternative energy-focused wind turbine possible functional environment onto the gas and steam-based settings established with the rollout of the previous industry-standard Mark V Turbine Control System Series. This IS200BPIIH1AAA Bridge Power Interface Board PCB's Mark VI Series is also valued on greater relevant promotional markets for its status as one of the last-released GE Mark product series utilizing the patented Speedtronic control system technology across a wide range of products.

Hardware Tips and Specifications

The IS200BPIIH1AAA is used by the GGXI board to communicate gate command and status signals via RS-422 signals. The RS-422 drivers and receivers use point-to-point signaling that will alarm a bad gate signal if the cable is disconnected. The IS200BPIIH1AAA uses a serial prom ID chip and pull-up resistors. The resulting pull-up signal indicates that all cables are properly connected along the signal path. The IS200BPIIH1AAA has four connectors on its surface: two mounted in the front faceplate and two on its back edge. The rear connectors are 128-pin backplane connectors. Pin signal maps are available in GEI-100298. The two front connectors are designed to interface with the GGXI board. Each connector, labeled JGATE1 and JGATE2, has 68 pins. The front faceplate has no other mounted components but is marked with the GE logo, the board number, and with the proper location of the board (slot 6.) Improper seating of the board can damage the component. Do not insert it in the wrong slot. The board has no fuses, user test points, LED indicators, or adjustable hardware.

For more information about using or installing the IS200BPIIH1AAA, please refer to user guides, datasheets, or manuals originally supplied by General Electric with your OEM equipment. If these are no longer available, AX Control may be able to provide replacements with your order. Most orders for in-stock merchandise placed before 3 pm are shipped on the same day. In terms of its drivers and receivers, this IS200BPIIH1AAA Bridge Power Interface Board device drives and receives through the use of the standard style of RS-422 drivers and receivers as mentioned above. As with any General Electric Mark VI Turbine Control System or Innovation Series printed circuit board product offering available to our new and reconditioned extended inventory here, this IS200BPIIH1AAA Bridge Power Interface Board device is equipped with its own special series of installation and replacement specifications and procedures. For starters, and as with any relevant Mark VI Series product, this IS200BPIIH1AAA Bridge Power Interface Board device's installation should be conducted completely under the protection offered through a standard wrist grounding strap. This IS200BPIIH1AAA Bridge Power Interface Board printed circuit board product offering is also deemed to fit in a specific VME Rack installation assembly rack slot, with its installation secured through two screw standoffs as pictured above.