GE GE □□□ Series Service Manual

IS220PDIOH1A

1. Description

Technical Specifications

2. Specifications

Specification	Value
Model	**Number: IS220PDIOH1A**
Original	**Manufacturer: GE**
Series	**ID: Mark VI IS220**
Product	**Function: Discrete I/O Pack**
Contact	**Inputs: ≤24**
Relay	**Outputs: ≤12**
Application	**Type: Simplex, TMR**
Processor	**Board: Standard**
LEDs:	**4**
Monitor	**Input Circuits: 15**
Circuit	**Type: Inverting, Level Shifting**
Manual:	**GEH-6721L**
Visual	**Diagnostics: Status LEDs**
LEDs:	**4**
Manufacturer	**General Electric**
Series	**Mark VI Speedtronic**
Functional	**Part Number IS220PDIOH1A**
Functional	**Abbreviation PDIO**
Revision	**Total 1 Revision**
Functional	**Revision 1 A**
Assembly	**Type IS220 Special Assembly**
Terminal	**Board 1 IS200TDBSH2A**
Terminal	**Board 2 IS200TDBTH2A**
Likely	**Manufacture Location Domestic**

3. Product Information

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IS220PDIOH1A Technical Specifications

Manufacturer General Electric

Series Mark VI Speedtronic

Functional Part Number IS220PDIOH1A

Functional Abbreviation PDIO

Revision Total 1 Revision

Functional Revision 1 A

Assembly Type IS220 Special Assembly

Terminal Board 1 IS200TDBSH2A

Terminal Board 2 IS200TDBTH2A

Likely Manufacture Location Domestic

About the IS220PDIOH1A

The IS220PDIOH1A is an I/O pack module for a Mark VIe Speedtronic system. The Mark VIe is one of the later systems released by General Electric under the Speedtronic name. Speedtronic systems have been used for industrial turbine control since the late 1960s when General Electric released the Mark I. The Mark VI Turbine Control System Series containing this IS220PDIOH1A I/O Pack Module device is actually a decent functionality-minded upgrade upon the previously-considered industry-standard Mark V Turbine Control System Series of more or less the same full extended product series title, as the Mark VI Series tacked the more alternative energy-focused wind turbine possible functional application onto the gas and steam turbine control and management system-based functional environments seen earlier on with the rollout of the Mark V Series. This IS220PDIOH1A I/O Pack Module product's Mark VI Series is separately considered an attractive option on greater relevant promotional markets given its status as one of the final-released Speedtronic control system technology-powered GE Mark Series iterations.

Hardware Tips and Specifications

The IS220PDIOH1A has two Ethernet ports and its own local processor. It can be used in conjunction with terminal boards IS200TDBSH2A and IS200TDBTH2A. These I/O pack/terminal board combinations have been approved for use in hazardous locations, which gave birth to the official General Electric Mark VI Turbine Control System Series subseries moniker as the HazLoc selection. The IS220PDIOH1A device here has a minimum voltage rating of 27.4 VDC. Its nominal rating is 28.0 VDC. The unit and its associated terminal boards have specific field wiring connection instructions that must be followed, including wire size and screw torque. This information can be found within GE manuals relating to this unit, such as GEH-6725, although many of these originally-printed instructional manual materials may be difficult to source online given the Mark IV Series' oftentimes copyright infringed-upon product series status. The front panel of the IS220PDIOH1A includes LED indicators for both ethernet ports, for the unit’s power, as well as an “attn” LED. Additional LEDs are related to relay connections. This IS220PDIOH1A I/O Pack Module PCB is actually not the originally-developed device of its specific GE Mark IV Series intended functionality, as that would be the IS220PDIOH1 parent I/O Pack Module not utilizing this IS220PDIOH1A I/O Pack Module device's sole A-rated functional revision.

For more information about this I/O module or about associated terminal boards, please refer to the original documentation from General Electric. Manuals, data sheets, and user guides will provide detailed specifications about installation, maintenance, and handling that should be reviewed before unboxing your part from AX Control. Our on-hand stock of industrial automation parts allows us to more quickly respond to your needs. Once we receive your purchase order, it typically takes a few hours for in-stock products to ship. Limited stock items may require additional time. Given the above-stated low general availability of this IS220PDIOH1A I/O Pack Module device's originally-developed instructional manual materials, the IS220PDIOH1A I/O Pack Module's IS220PDIOH1A functional product number itself can be adopted as a decent functioning source of IS220PDIOH1A I/O Pack Module hardware component and component specification information, as it codes for a number of valuable IS220PDIOH1A I/O Pack Module details with its distinct set of consecutive functional naming chunks. One such chunk is the IS220 series tag starting off the IS220PDIOH1A I/O Pack Module product number and asserting this IS220PDIOH1A I/O Pack Module device's special modular assembly version as well as its domestic location of original GE manufacture. Some of the other important IS220PDIOH1A I/O Pack Module details revealed in this manner include its:

PDIO functional product abbreviation

Conformal PCB coating style

Group one Mark VI Series grouping

A-rated functional product revision