GE GE □□□ Series Service Manual

IS200TBAIH1CDD

1. Description

IS200TBAIH1CDD - Analog Input Terminal Board

2. Specifications

Specification	Value
Compatible	**Products Four Mark VIe/S Series Modules**
Manufacturer	**General Electric**
Series	**Mark VI Speedtronic**
Functional	**Description IS200TBAIH1CDD Analog Terminal Board**
Part	**Number IS200TBAIH1CDD**
Mark	**Series Particular Grouping Group One**
Jumper	**Pins 2 Metal Pins**
Mounting	**Strategy Typical DIN-Rail Mounting**
About	**the IS200TBAIH1CDD**
Hardware	**Tips and Specifications**
The	**IS200TBAIH1C printed circuit board is a very long and slim device. The left half of the IS200TBAIH1C is occupied by two (2) black terminal blocks. Each terminal block:**
Number	**of Channels: 12 total (10 analog inputs and 2 analog outputs)**

3. Product Information

IS200TBAIH1CDD - Analog Input Terminal Board

IS200TBAIH1CDD Technical Specifications

Compatible Products Four Mark VIe/S Series Modules

Manufacturer General Electric

Series Mark VI Speedtronic

Functional Description IS200TBAIH1CDD Analog Terminal Board

Part Number IS200TBAIH1CDD

Mark Series Particular Grouping Group One

Jumper Pins 2 Metal Pins

Mounting Strategy Typical DIN-Rail Mounting

About the IS200TBAIH1CDD

Hardware Tips and Specifications

The IS200TBAIH1C printed circuit board is a very long and slim device. The left half of the IS200TBAIH1C is occupied by two (2) black terminal blocks. Each terminal block:

may contain up to twenty-four terminals

cube shaped and made from silver metal.

combined for a total of forty-eight terminals which are labeled as one (1) through forty-eight (48)

Much of the right edge of the IS200TBAIH1CDD is taken up by three (3) medium sized connector ports. These connector ports have been arranged vertically on the right of the IS200TBAIH1C.

Voltage Suppression Tips and Specifications

Long lines of electronic components are lined up vertically in the center of the IS200TBAIH1C:

Ten (10) potentiometers or variable resistors are spaced out evenly in the IS200TBAIH1C's center

Four (4) additional potentiometers have been grouped together on the lower right corner of the IS200TBAIH1C

Nine (9) small black transistors are lined up along the right of the center section of the IS200TBAIH1C

Also positioned in the center of the IS200TBAIH1CDD is a series of at least twenty (20) red jumpers

Every jumper is being used to connect together at least two (2) small metal jumper pins. This middle section of the IS200TBAIH1C is also covered with many small black rectangular diodes.

General Information

Part Number: IS200TBAIH1CDD

Manufacturer: General Electric

Series: Mark VIe

Board Type: Analog Input Terminal Board

Country of Origin: United States

Availability: In Stock

Repair Time: 3-7 Day

Manual: GEH6721D

Technical Specifications

Number of Channels: 12 total (10 analog inputs and 2 analog outputs)

Input Span (Transmitters): 1-5 V dc

Input Voltage Range: 3.3V to 5V DC

Maximum Lead Resistance: 15 maximum

Synchronization Accuracy: ±1 ns

Clock Frequency: Up to 200 MHz

Operating Temperature Range: 30°C to +65°C

Dimensions: 10.16 cm wide x 33.02 cm high

Mounting Type: Surface-mount technology (SMT)

Functional Description and Connectivity

System Usage: Designed for GE Distribution Turbine Control Systems; supports Simplex or TMR (Triple Modular Redundant) configurations.

Connectors: Three DC-37 pin connectors for I/O processor connections.

Wiring/Installation: Two I/O terminal blocks mounted on the board, each with 24 terminals accepting up to #12 AWG wires. A shield terminal attachment point is located adjacent to each block.

Power: A 24 V dc power source is available on the terminal board for transducers; transmitters can be powered by this source or independently.

Configuration: Jumpers (J#A, J#B, and JO) configure voltage/current input types and select current output types.

Input/Output Capability:

Analog input: Two-wire, three-wire, or four-wire transmitters

Analog input: Externally powered transmitters

Analog input: Voltage ±5 V, ±10 V dc

Analog output: 0-20 mA or 0-200 mA (Configurable via jumpers)

Diagnostics: Each output is monitored; a suicide relay in the I/O controller will disconnect an affected output if a fault persists and the processor cannot clear it.