GE GE □□□ Series Service Manual

IS215UCVDH7AM

1. Description

IS215UCVDH7AM Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**GE Industrial Systems**
Series	**Mark VI Speedtronic**
Part	**Number IS215UCVDH7AM**
Functional	**Acronym UCVD**
Functional	**Description Input Module Board**
PCB	**Coating Type Conformal Coating**
Functional	**Revision 1 A**
Functional	**Revision 2 M**
About	**the IS215UCVDH7AM**
This	**IS215UCVDH7AM General Electric printed circuit board was originally mass-produced to be a member of the Mark VI Speedtronic Series of Turbine Control Systems and turbine control system component products. This printed circuit board or PCB for short actually exists as a modified verison of a different Mark VI Speedtronic Series model; the IS215UCVDH7 parent circuit board product. The IS215UCVDH7AM board modifies its parent IS215UCVDH7 PCB through its crucial inclusion of two functional revisions, rated at A and M respectively. While a solid amount of original, factory-printed instructional manual materials concerning this IS215UCVDH7AM module exist online, no further functional description beyond that of an Input Module Board**

3. Product Information

IS215UCVDH7AM Technical Specifications

Manufacturer GE Industrial Systems

Series Mark VI Speedtronic

Part Number IS215UCVDH7AM

Functional Acronym UCVD

Functional Description Input Module Board

PCB Coating Type Conformal Coating

Functional Revision 1 A

Functional Revision 2 M

About the IS215UCVDH7AM

This IS215UCVDH7AM General Electric printed circuit board was originally mass-produced to be a member of the Mark VI Speedtronic Series of Turbine Control Systems and turbine control system component products. This printed circuit board or PCB for short actually exists as a modified verison of a different Mark VI Speedtronic Series model; the IS215UCVDH7 parent circuit board product. The IS215UCVDH7AM board modifies its parent IS215UCVDH7 PCB through its crucial inclusion of two functional revisions, rated at A and M respectively. While a solid amount of original, factory-printed instructional manual materials concerning this IS215UCVDH7AM module exist online, no further functional description beyond that of an Input Module Board is offered. While a General Electric product, this IS215UCVDH7AM Input Module Board was truly manufactured by the subsidiary manufacturer GE Industrial Systems in their Salem, Virginia original specific factory location.

Hardware Tips and Specifications

The IS215UCVDH7AM Input Module Board is lucky enough to possess a solid base level of product-centric instructional materials that shed light on some of its hardware inclusions. For starters, this IS215UCVDH7AM PCB offers a series of unique LEDs on its front faceplate for diagnostic and testing purposes. Starting from the top of this IS215UCVDH7AM board's front faceplate, this PCB's LED indicators include:

The ACTIVE, BMAS, SLOT1, ENET, SYS, and BSLV controller and communication status LED indicators

Ten H or L LED indicators that display a series of possible Runtime Error Codes

In addition to the intuitive series of LED indicators present in this IS215UCVDH7AM board's assembly, this Mark VI Speedtronic Series printed circuit board also incorporates a series of ports for maximum connectability. Some of these port options include the Monitor, Mouse, and Keyboard ports that are designated for General Electric use only, as well as the COM1 and COM2 RS-232C ports incorporated for initial controller setup and serial communications, respectively. The final ports worked into the greater assembly of this UCVD-abbreviated printed circuit board are its set of basic ethernet and ISBus Drive LAN ports that appear in many similar Mark VI Speedtronic Series assemblies. In original instructional manual documentation, the IS215UCVDH7AM board's ISBus Drive LAN ports are said to be unused, while its ethernet port is deployed for UDH or unit data highway communications. All of the aforementioned hardware components unique to this IS215UCVDH7AM Input Module Board should be well-protected beneath their conformal coating style of printed circuit board protection, which exists as a thin, chemically-applied coating that envelops and protects any possible hardware components in this PCB's assembly. This conformal style of PCB protection was discovered upon a diligently-led breakdown of the functional IS215UCVDH7AM product number, which yields another level of product-pertaining information; including its special assembly version, UCVD functional acronym, group 7 Mark VI Series grouping, and two differently-rated functional revisions.