GE GE □□□ Series Service Manual

IS200WETAH1AAA

1. Description

About the IS200WETAH1AAA

3. Product Information

About the IS200WETAH1AAA

The IS200WETAH1A is a circuit board from GE designed as part of their Mark VIe system. This circuit board is most often used in wind energy applications. The Mark VIe can be used for managing turbine systems in a number of applications, including nuclear facilities, gas&oil, hydro, thermal, and wind. It includes programmable software tools for maintenance capabilities and limit checking diagnostics built into both the hardware and the software.

The IS200WETAH1A has hundreds of components mounted to its surface. There is an exposed copper strip with multiple factory drilled holes along all four board edges. The PCB has one auxiliary board. This is labeled IS210BPPBH2C. AX Control has a separate listing for that board that will have a description of its components.

The IS200WETAH1A has seven fuses on its surface. The board has four transformers, twenty-five TP test points, and six terminal strips. The board includes coil inductors, capacitors, resistors, relay components, integrated circuits, diodes, and jumper switches. The board has over a hundred voltage regulators. These components automatically adjust resistance via a feedback loop (accounting for changes in load and input) while keeping the output voltage constant. Voltage regulators are placed on the board in long lines, parallel to three of the four edges.

The IS200WETAH1A has over forty-five plugs and connectors, including a vertical male pin connector and plug connectors ranging from two-position to twenty-position. The P4 and P5 connectors are made from conductive dots or traces. Some of these carry the same reference designator (for example, P29A/P29B/P29C.)