GE GE □□□ Series Service Manual

IS220PTURH1B

1. Description

SPECIFICATIONS

3. Product Information

SPECIFICATIONS

Part No.: IS220PTURH1B

Manufacturer: General Electric

Product Type: I/O Pack

Series: Mark VI

IS220PTURH1B is an I/O pack developed by GE under the Mark VI series. The Mark VI was utilized to regulate the HRSG (boiler) and auxiliary plant controls in order to effectively control and safeguard the gas and steam turbine.

Several I/O-specific cards were built to interface with the balance of plant devices (such as motor-operated valves), and various blocks for controlling the balance of plant operations were developed and written (such as boiler drum level control, etc.). Mark VI and Mark VIe have both been used in combined cycle power plants as DCS and turbine controls.

Manufacture GE

Model IS220PTURH1B

Ordering information IS220PTURH1B

Catalog MARK VIe

Description GE IS220PTURH1B Turbine Specific Primary Trip Module

Origin United States (US)

Weight 0.8kg

Details

3.18 PTUR and YTUR Turbine Specific Primary Trip Modules The following hardware combinations are approved for use in hazardous locations:

Mark VIe Turbine Specific Primary Trip I/O pack IS220PTURH1A or IS220PTURH1B with terminal board (accessory) IS200TRPAH1A

Mark VIeS Turbine Specific Primary Trip I/O pack IS220YTURS1A or IS220YTURS1B‡ with terminal board (accessory) IS200TRPAS1A Note ‡ Contact GE for hardware availability. 3.18.1 Electrical Characteristics Item Min Nominal Max Units Power Supply Voltage 27.4 28.0 28.6 V dc Current — — 0.41 A dc Voltage Detection Inputs (TRPA) Voltage 16 — 140 V dc E-stop Input (TRPA) Voltage 18 — 140 V dc Speed Inputs (TRPA) Voltage -15 — 15 V dc E-stop Power Output Voltage (O.C.) — 28 — V dc Current (S.C.) — 17 — mA dc Contact Out (TRPA) Voltage — 24 28 V dc Current — — 7 A dc

I/O PACK

SPEEDTRONIC GAS TURBINE CONTROL

MARK VI SERIES

TURBINE INPUT / OUTPUT

PRIMARY TURBINE PROTECTION

REGULATES HRSG (BOILER)