THOMSON
POWER SYSTEMS

REMOTE COMMUNICATIONS SOFTWARE

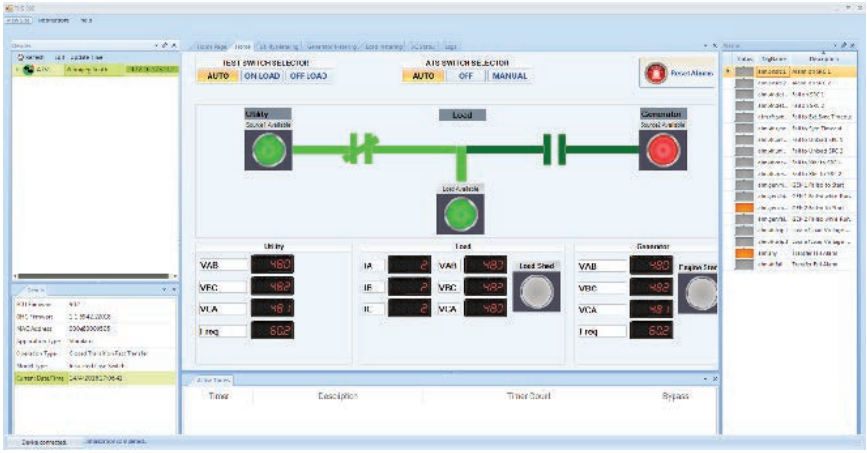
THS 900

THS 900 is a MS Windows™ based PC software application which Thomson Power Systems has developed to remotely monitor and control its TS 870 & TS 880 Series of Automatic Transfer Switches. **THS 900** communicates with the TSC 900 Automatic Transfer Switch Controller utilizing Ethernet TCP/IP connections.

THS 900 can be used to remotely monitor and control up to 20 Automatic Transfer Switches located at a single customers site using an Ethernet LAN network or at separate remote locations using Internet accessibility. **THS 900** is a free software application networking with any TSC 900 Controller with the Ethernet-Modbus™ option (EMB-TCP/IP) enabled.

ADVANCED FEATURES:

- Integrated communication features that require no additional hardware for an easy configuration using the graphical interface screen.
- Monitor up to 20 Automatic Transfer Switches on a single computer
- Real-time monitoring of ATS data with fast data refresh update rates
- Automatic email on event alarms (configurable)
- Self configuration based on controller application types



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GENERAL DESCRIPTION

The graphical user interface screens provide easy to use browsing of the following detailed information on the remotely connected transfer switch:

Remote Monitoring Features	
• ATS Power Mimic Bus	• Alarm/Fault Status
• ATS Position (Load on Utility/Load on Generator)	• Source and Load AC Voltage Phasor Diagrams
• Source Available Status	• Input/Output Status (Programmable I/O Points)
• ATS Operating Mode (Auto, Off, Manual, Test)	• ATS Configuration/Firmware Info
• Source & Load AC Voltage & Frequency Analog Data	• Timer Countdown Display
• Load Bus Power Metering Data (kW, KVA, PF)*	

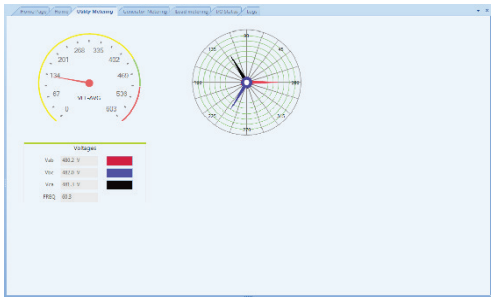
*ATS must be equipped with Load Bus Power Metering (LPM) option

The Transfer Switch can be remotely controlled via remote PC using security password protection.
The following remote control features are provided:

Remote Control Features	
• Alarm Reset	• Timer Bypass
• ATS Mode (Auto, Off, Manual, On Load Test, Off Load Test)	• Remote Utility Power Failure Simulation Test

SPECIFICATIONS

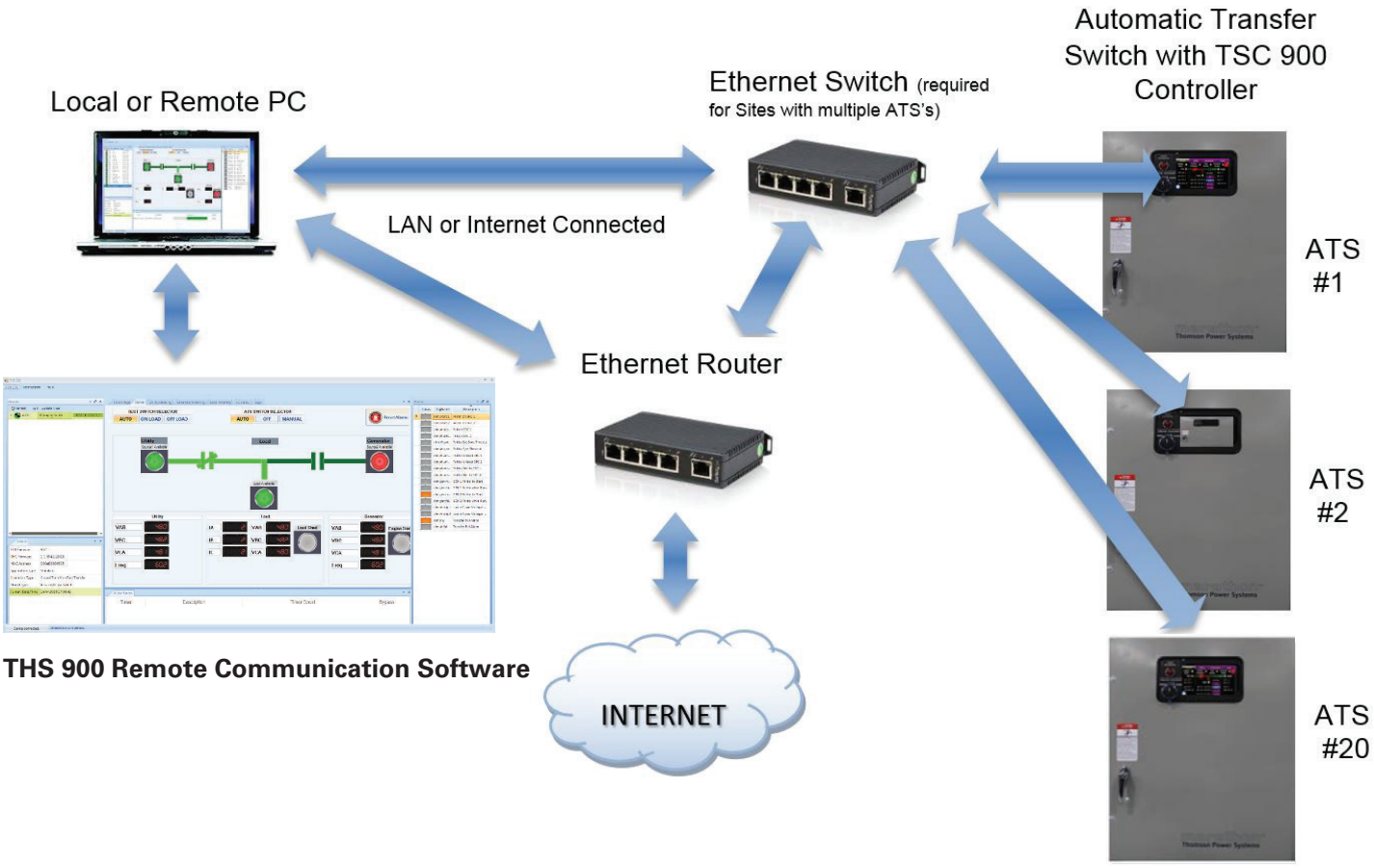
- MS Windows™ OS Compatibility: Win 7, 8, 10, 64 Bit
- PC Hardware: Intel™ I5 Processor, 2GB Ram, 120GB HD
- Communication: Ethernet™ TCP/IP, 10BaseT
- Communication Protocol: Modbus™ TCP
- Communication Wiring: CAT5E (min), RJ45
- TSC 900 Controller Requirements: Firmware version R902 or newer and EMB-TCP/IP option enabled on each transfer switch



Note: Customer to supply the following items for a complete working system

- Personal computer c/w MS Windows™ OS
- All Ethernet wiring to/from ATS
- Ethernet switches (as required)
- Ethernet router (when connected to the internet)
- Internet ISP (as required)

TYPICAL REMOTE COMMUNICATIONS SYSTEM CONNECTION DIAGRAM

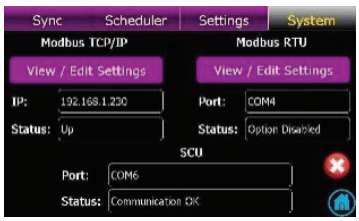


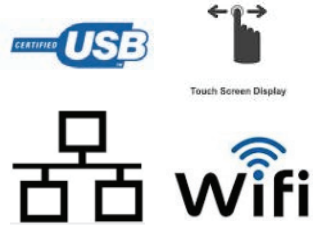
THS 900 Remote Communication Software

TSC 900 CONTROLLER

The Thomson Power Systems TSC 900 Transfer Switch Controller utilizes the latest advancements in microcontroller technology, surface mount printed circuit board assembly and advanced programming firmware for control of Automatic Transfer Switches. The TSC 900 is the fourth generation of microcontroller-based Transfer Switch Controllers from Thomson Power Systems and reflects over 40 years of Transfer Switch control experience.

The TSC 900 is factory configured to monitor, display and control all operational functions of the Automatic Transfer Switch. All voltage sensors and timers are fully user adjustable from the door mounted color touch screen operator interface panel. The unique integrated design allows the controller to be utilized for wide range of applications without use of external modules or optional components.





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NOTE: Specifications subject to change without notice.

APPLICATION CONSIDERATIONS

The proper selection and application of power generation products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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