

Redundant systems for your critical applications

TESCO offers a unique "Hot Standby" bi-directional, true bumpless transfer system designed to keep all equipment and systems running. It automatically switches to a secondary PLC in the event that the primary PLC fails, without interrupting the process. Bumpless transfers ensure that output signals remain the same through a secondary to primary transfer thereby minimizing process disruption during transfer. The secondary PLC continuously polls the primary for values to update the system and stay in synchronization. As a fail-safe measure, when a SCADA system polls the Hot Standby, only one IP address will register as the primary PLC. SCADA telemetry communicates with the primary PLC no matter which PLC has the primary duties.

Hot standby transfers are transparent to all telemetry communications and the application-process being controlled. This allows SCADA and HMIs to be constantly communicating with the primary device, regardless of which unit is acting as primary. It provides automatic telemetry port escalation from Ethernet to Serial and back. Telemetry communication continues in the event a communication path is down.

Features

- » True Bumpless Hot-Standby
- » High availability for critical process applications
- » No single point of system failure
- » Separate I/O Modules for redundancy
- » Primary/Secondary role exchange
- » Ethernet & serial connectivity
- » 5 year warranty
- » Ethernet communications are automatically transferred to the primary unit
- » Many card I/O types and densities available
- » Cards have Mode and DI/DO LED Annunciators
- » Redundant Power Systems

Communication

- » Telemetry on Ethernet seamlessly transfers to the Primary Unit
- » Telemetry to the Secondary Unit is also seamlessly transferred



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