

Standby Power Systems

Standby Generator Controllers

Siemens standby generators are provided with controllers. The primary purpose of the controller is to monitor utility power, operate the automatic transfer switch, control the weekly self test cycle, and to monitor the generator for any potential system faults. There are two types of controllers, the "R" and "H" types.

"R" Type Controller



The "R" type controller is provided on all 7 through 60 kW generators. These controllers are compatible with the "ST" and "SR" type transfer switches. Built in governor control is provided, along with LED displays for potential system faults.

The automatic transfer switch, which is sold separately, is controlled by the R controller.

Control Functions

- Full system monitoring
 - Oil Pressure
 - Coolant Temperature
 - Engine Speed
 - Coolant Level
 - Cranking Time
 - Starter Lockout
 - Utility Sensing
 - Quiet Test™

LED Indicators

- Over Speed
- Over Crank
- Low Oil Pressure
- High Coolant Temperature
- Low Coolant Level
- Low Fuel Pressure
- Low Battery Voltage
- Quiet Test™ Control

"H" Type Controller



The "H" type controller is provided on all 70 through 150 kW generators. These controllers are compatible with the "X" type transfer switches.

Control Functions

- All R control functions plus:
- Full range standby operation
 - Full system status
 - 3Ø AC Volts and current
 - Alternator frequency
 - kW, kVA, power factor
 - Fuel pressure
 - Alarms and warnings
 - Transfer switch status
 - Operating hours
 - Service reminders
 - Trending
 - Utility Sensing
 - Fault protection for generator windings
 - 3Ø sensing voltage regulator
 - Isochronous speed regulation

System Features

- Two 4-line 20-character LCD displays
- Engine governor and voltage regulator built into controller
- Hermetically sealed circuit board in a die-cast aluminum enclosure
- Waterproof connections
- Audible alarm
- Service-friendly diagnostics
- Built in PLC for user I/O's
- Integrated automatic transfer switch controller for Siemens "X" type transfer switches
- Advanced engine sensors eliminate false signals and interference
- Quiet-Test™ control
- Industry standard 2-wire start