



**HOW TO SPECIFY WIRED RITE SYSTEMS™, INC.
INTEGRATED POWER SYSTEM (I.P.S.)**

The Integrated Power System shall consist of five principal components:

- Electrical power distribution system
- Microprocessor controlled Start/Stop/Throttle control system
- Wired Rite circuit breaker switch panel
- Interconnecting harness system
- 80 amp manual reset circuit breaker

ELECTRICAL POWER DISTRIBUTION SYSTEM

- The **Electrical Power Distribution System** shall be pre-wired and include a master relay, an emergency power relay and a circuit breaker block for accessories. The system shall be expandable and have locations available for two additional relays and a second circuit breaker block. A separate, manual disconnect, master circuit breaker shall be supplied.
- The **Electrical Power Distribution System** shall have a quick release lid for protection and easy access, and shall be designed to mount behind the seat in the truck cab.

SST 3 (Start/Stop/Throttle control system)

- The **SST 3** shall be a solid state system whose functions are controlled by a microprocessor.
- The **SST 3** shall have the capability of performing self-diagnostic tests, and shall be able to “remember” any system faults that occurred, even if the faults no longer exist. An optional, dash-mounted, warning panel with a test switch shall be available.
- The **SST 3** shall be able to trigger an emergency power source independently.
- The **SST 3** shall have the option of being supplied in a weather tight box, with a clear lid, to allow viewing of the LED diagnostics, without opening the container.
- The **SST 3** shall contain field replaceable relays and manual resettable circuit breakers.
- The **SST 3** shall be able to accept positive or negative start/stop, throttle & emergency power inputs automatically.
- The **SST 3** shall be programmable via 3-Pushbutton switches and a Two-Segment Display depending on the truck, the engine and the specific lift it will control.

SWITCH PANEL

Wired Rite Systems, Inc. 5793 Skylane Blvd., Ste. A., Windsor, CA 95492
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- The **Switch Panel** shall contain magnetic circuit breakers to control switch functions.
- The **Switch Panel's** backlit legend plates shall be provided for each switch position. The backlighting system shall have two levels of intensity. The lower level intensity shall be activated when the vehicles lights or ignition switch is turned on. The higher level intensity shall be activated when its assigned switch is energized. The lights shall be LED's (light emitting diodes) and have a life expectancy of greater than 100,000 hours. The circuitry shall be on a printed circuit board. A blinking light option shall be available.
- The **Switch Panel's** backlit legend plates shall be provided with indicia, as requested. Each backlit legend plate shall be replaceable to facilitate changing of a switch designation.

INTERCONNECTING HARNESS SYSTEM

- The harness system shall consist of two dedicated assemblies.
 1. **Switch Panel Harness**
 2. **Engine Harness**
- Both harnesses shall have identifying indicia printed on each conductor.
- The **Engine Harness** shall have breakouts containing polarized connectors for mating to the **SST**, the **Electrical Power Distribution System** and the aerial bucket harness.
- The **Engine Harness** shall have blunt wires at the engine end to facilitate hook up.
- The **Switch Panel Harness** shall have polarized connectors on both ends. One end shall mate with the **Switch Panel**, the other end shall mate with the **Electrical Power Distribution System**.

80 AMP MANUAL RESET CIRCUIT BREAKER

- An 80 amp, manual reset circuit breaker shall be supplied with each system, and is to be installed in the engine compartment. The manual reset circuit breaker shall protect the wire from the battery to the "ignition on" 75 amp relay in the power distribution center. Further, the disconnect feature of the circuit breaker shall, when activated, allow complete electrical isolation of the IPS from the battery.

The complete Wired Rite **Integrated Power System w / SST 3** will carry a *Lifetime Guarantee*.

The complete Integrated Power system, consisting of the aforementioned five, principal components, shall be provided by Wired Rite Systems™, Inc., 5793 Skylane Blvd., Windsor, CA 95492. 1-800-538-7483.

— SPECIFICATIONS ARE AVAILABLE FOR ADDITIONAL WIRED RITE™ PRODUCTS —

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