

Livefront Padmounted Switchgear

PSI/II--Manual ATPSI/II--Automatic Transfer SCPSI/II--Supervisory Controlled Models 15 kV • 27 kV

Federal Pacific Livefront PSI/II Padmounted Switchgear is available for manual, automatic source transfer or SCADA operation in voltages of 15 kV with a 600-amp interrupting rating. PSI/II padmounted switchgear is a thoroughly engineered and integrated assembly of load interrupter switches, fuses with integral load interrupters and bus, all arranged in a compact 11-gauge steel enclosure. These components are both electrical and mechanically coordinated to provide three-pole group-operated switching of 600-amp circuits and single-pole hookstick-operated switching of 200-amp circuits.

The rugged enclosures meet the requirements of ANSI C57.12.28 in terms of both enclosures security and finish coating performance. The integrated assembly meets the electrical and mechanical design requirements specified in ANSI C37.73 as well as the more rigorous switch testing sequence specified in ANSI C37.72. The switching capability of this load interrupter is unsurpassed by any other switch in air-insulated padmounted switchgear. The load interrupter switch is UL® listed as a recognized component in the 15 kV PSI/II style of padmounted switchgear.

The switch is a puffer-type interrupter that insures long life and efficient circuit interruption. The widest range of fusing is available with choices of current-limiting or expulsion types.

Automatic Source

Transfer ATPSI/II Livefront Padmounted Switchgear is a totally self-contained switching and protection package for critical loads requiring a high degree of service continuity, FP microprocessor and stored-energy switch operators provide control for switching operations.

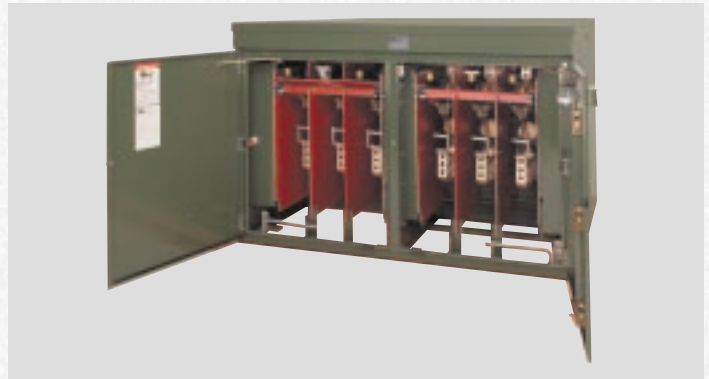
Switch transfer time is only 10 cycles plus any intentional time delay to make certain outage is permanent before switching is initiated. Low-voltage compartment provides isolation of stored-energy switch operator and microprocessor.



Remote-Supervisory

Control SCPSI/II Livefront Padmounted Switchgear includes switch operators in combination with customer-selected remote terminal unit and communications equipment to allow all switching to be actuated from a control center. These units can accommodate all

types of RTUs, radios, fiber optic and land line communications equipment in an integral low-voltage enclosure secured to the switchgear. Voltage transformers, battery and battery charger provide voltage sensing and control power and make the unit totally self-contained.



Features

- Meets all switch testing in ANSI C37.72 and C37.73
- Removable fiberglass GPO3 barriers
- Cycloaliphatic epoxy insulators - 100% X-rayed
- 11-gauge steel sheet
- Enclosure integrity and coating per ANSI C57.12.28
- Stainless steel handles, lockbox covers, hinges and hinge pins
- Accommodates expulsion or CL fuses
- 2, 4 and 6 compartment units available
- EZ-Latch® loadbreak fuse mounting
- Auto-latch 3-point door latch with penta-head security bolt
- Anti-condensation undercoating on roof
- Ventilated at roofline and door flanges
- 15 pre-engineered switching configurations
- Switch rated 3-time fault close at 40000 amp asym
- 600-amp continuous and 600-amp loadbreak all voltages
- Switch operators and microprocessor controls by FP



Livefront padmounted switchgear provides barriers that guard against inadvertent contact with energized components. Switch barriers span all three phases. Fuse barriers span each phase. Barriers can be removed to expose energized components for direct observation and operation, and can be inserted into the open gap when the switch or fuse has been opened.



Six-compartment livefront units allow users to expand application flexibility by serving greater blocks of power from a single unit of padmounted switchgear. The one-line diagrams that can be accomplished in these units remains flexible, limited only by the physical restrictions of the general layout. All of the other standard and optional features found on conventional livefront units are also available on the 6-compartment models.