

S&C Line-Rupter™ Switch
Outdoor Transmission
(115 kV through 230 kV)

For Line and Cable Switching

S&C's Line-Rupter Switch features in-series circuit-breaking interrupters and a circuit-making and isolating disconnect. It's especially suited for line and cable switching applications; specifically, load splitting (parallel or loop switching), load dropping, and line and cable dropping.

The Line-Rupter Switch is capable of closing, carrying, and interrupting load currents and parallel or loop currents up to 2000 amperes, as well as line- and cable-charging current. It uses the time-proven reliability of the S&C Circuit-Switcher "brain" and in-series interrupter, combined in a compact, economical, minimal-maintenance package. The Line-Rupter Switch's interrupters are tailored for line and cable switching applications by economically using the precise number of interrupting gaps required.

Each Line-Rupter Switch pole-unit includes a "brain" that provides built-in positive sequence control ... and a fully enclosed, stored-energy source dedicated to operation of the interrupter, which is in the circuit at all times. Close-and-trip mechanisms are fully enclosed and protected, too. There are no external linkages, lever arms, cams, shunts, etc., that must be coordinated with the disconnect blade to accomplish circuit interruption. Positively sequenced operation is ensured regardless of wind, rain, sleet, or snow.

The Line-Rupter Switch includes a manual operating mechanism with a geared operating handle. Alternately, for remote supervisory control, power operation can be provided by an S&C Switch Operator—Type LS-2.



A 115-kV Line-Rupter Switch specially modified by S&C's Technical Services for installation "phase over phase" in a transmission line sectionalizing application. Furnished with silicone insulators to reduce weight.



A Type LS-2 Switch Operator for use with the Line-Rupter Switch.

