

Versa-Tech® II with internal WiFi Radio

by Hubbell Power Systems
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* Representative image

The Versa-Tech® Recloser is a unique and patented design. The interrupter, drive mechanism, control, and housing are raised to the system potential. The entire assembly is then insulated from ground using a standard polymer post insulator. This compact simplified design eliminates the potential for an insulation breakdown failure. Fault interruption occurs in the recloser vacuum interrupter. The vacuum interrupter's state-of-the-art contacts utilize axial magnetic fields to interrupt in diffuse mode for maximum interrupter life. The vacuum interrupter is supported by an insulating support housing with bonded silicone rubber over-molding for maximum weather resistance. The drive for the vacuum interrupter is provided by a mechanism with a magnetic actuator. The actuator's rare earth neodymium magnet provides the latching and holding force for the vacuum interrupter in the closed position. A spring provides the pressure to hold the vacuum interrupter in the open position. Together, the rare-earth magnet and the spring arrangement allow the mechanism to be stable in the open or closed position without the need for external power. To open the vacuum interrupter, a coil on the magnetic actuator is pulsed in one direction. To close, the same coil is pulsed in the other direction. Energy to open and close the recloser is provided by a set of capacitors. The control for the recloser is provided by a microprocessor-based electronic circuit. The control design allows complete flexibility and user-selectable minimum trip, time-current curves (TCC) and sequencing parameters. User access to all parameters is provided through a serial connection or via an on-board radio. Current sensing for the control occurs through a current transformer. No external transformer power for the recloser is required. Power for the control and the mechanism is converted from fault or load current using two power current transformers. The open and close capacitors that drive the recloser are charged by the load or fault current through the power current transformers. Using this approach, the recloser will continue to open and close as necessary without the need for external power or even the hot-stick replaceable lithium battery pack. The low self-discharge lithium batteries are required only for closing the recloser after a lockout (sustained fault) or manual open.

- 8kA, 29.6kV Interrupt Rated
- 400A Continuous Current Rated
- 125 BIL (150BIL with standoff insulator)
- 30,000 Mechanical operations
- 25 kg (55 lbs) incl. standoff insulator

Full user-programmability via serial or radio connection
Lightweight, easy to handle and install
Network secure connection via radio
Self-powered
Event, load profile and device logging
LED beacon for Lockout & HLT
Minimal maintenance
HPS 1 Year Warranty

Product Details

General

Ambient Temp. Range	-40°C to 60 °C
Description - Terminal Connectors	No Connectors
Mounting Type	Pole Mount
Number of Pole Plaques	1 Pole Plaque
Type	Versa-Tech® Single Phase Recloser
UPC	096359582021

Dimensions

Weight	46 lb
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Electrical Ratings

BIL	125 kV
Current Rating	400 A
Frequency Rating	60 Hz
kV Class	27 kV

Logistics

Pallet Quantity	9
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