Weezap

Industry-leading vacuum circuit breaker switch and recloser

Electricity networks are facing challenges from an aging network combined with increasing pressures from the adoption of low carbon technologies such as EV's and solar panels.

Weezap is an advanced vacuum circuit breaker-based switch and recloser.

The device protects the network, opening the circuit breaker in overload and fault conditions and provides automatic re-closing to facilitate quick supply recovery with no visit to the site required. It also collects information about fault activity, load, and power quality. This data provides fault location via our Sapient algorithms, and the insights into the network allow cost efficient mitigations to be chosen by the operator. Weezap's intelligent reclosing action prevents reclosing onto high energy faults, protecting the network and customers.

Weezap operates in conjunction with Camlin Energy's Gateway management device, enabling the tripping, closing and configuration of multiple Weezap units. Weezaps provide network visibility via our interactive dashboards and fault location information via Sapient. They are fully compatible with the Equipment Manager app.

Benefits

Fast, easy installation
Field staff can safely retro-fit the devices on existing LV panels, with no need to replace the LV board

Proven in the field
20 years of vacuum circuit breaker experience and over 5000 units shipped

Enhanced protection
Spring return mechanism means vacuum circuit breaker failsafe is open position

Reduced interruptions
Can be configured to restore supply automatically within the regulatory window to circuits that have lost power

Capability

> 500 A Inline fuse - true 400 A operation, certified to 35kA

> 100, 125, 160, 200, 250, 315, 400 A Protection Settings

> Can close and open circuit at LV substation either locally or remotely

> 9 kA switched breaking/interruption

> Thyristor commutation built-in

> Hermetically sealed VCB

> Type tested to 50 kA (IPH Berlin)

> Monitors current overloads, THD and phase imbalance

> Automatic network meshing and reconfiguration using embedded LV switches

> Configuration settings allow local automated re-closing; or reclose control can be via Network Management System (NMS)

Gateway
On-site secure communications

> On-site Gateway – magnetic mount and wall bracket

> Wireless connection to devices – no cable run across substation

> Up to 15 devices/typically 5 feeder ways

> GSM/3G communications to server infrastructure

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