

## TYPE GV AUTOMATIC SECTIONALIZER

### **EQUIPMENT SPECIFICATIONS:** Type GV Automatic Sectionalizer

#### **RATINGS**

Maximum Design Voltage, kV	15.5
Nominal Operating Voltage, kV	14.4
Basic Insulation Level (BIL), kV	110
Dielectric Dry, 1 Min. Withstand	50kV RMS
Dielectric Wet, 10 Sec. Withstand	45kV RMS
Continuous 60Hz Current	400 A
Maximum Interrupt Current	880 A
Momentary Make and Latch	15000 A asym.
One second withstand	10000 A
Ten second withstand	3500 A

#### **OPERATION**

The sectionalizer shall have the ability to sense fault currents, either phase to phase or phase to ground.

The sectionalizer shall be capable of opening during the first, second, or third open interval of an auto-reclose device on its source side.

The minimum phase fault level to actuate shall be 16 A

The minimum ground fault level to actuate shall be 3.5 A.

The sectionalizer shall have an adjustable automatic reset time from 15 to 180 seconds.

The sectionalizer shall incorporate a count restraint feature which will prevent the device from registering a count as long as 5A of load current is flowing. This will prevent false counting by operation of a down line device.

The sectionalizer shall incorporate an inrush restraint feature for both phase and ground currents. This feature shall block sensing of phase and ground faults for 3 seconds after the closing of an upline device to obtain proper count sequencing.

#### **FEATURES**

The three phase automatic sectionalizer shall be oil insulated with electronic control.

The sectionalizer shall provide oil level indication by means of a dip stick.

The sectionalizer shall be completely self-contained, with power for operation supplied by internal 100:1 CT's. If the control heater or fast charging of trip capacitors is required, the sectionalizer shall be capable of accepting either a 120Vac or 240Vac auxiliary supply. This auxiliary supply will also activate a voltage restraint feature which prevents contact opening as long as voltage is present on the upline side of the sectionalizer. The voltage restraint feature will work in conjunction with the count restraint feature to prevent operation of the sectionalizer when a downline device operates.

The sectionalizer shall be capable of interrupting load currents up to 880A.

Minimum actuating levels shall be changed by plug-in resistors for both phase and ground.

Other operating parameters shall be changeable by means of programmable selector switches in the control cabinet.

The sectionalizer shall provide mechanical contact position indicating.

The sectionalizer shall provide a mechanical operations counter.

The sectionalizer shall have provisions for manual opening and closing via a hook stick.

Closing of the sectionalizer shall be independent of operating handle speed, and the sectionalizer shall be capable of closing into faulted lines without damage.

The sectionalizer shall have provisions for pole mounting.

The sectionalizer tank shall provide an oil drain valve.

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