

## Control Power Viper®-S Recloser

Many of today's reclosers require two to three cables between the control and the recloser to provide AC power to the recloser, control signals and commands, and in many cases, deadline operation. Now there is a cleaner, more efficient way to do the same tasks using G&W's Control Power Viper-S.

The Control Power Viper-S provides a single cable solution for all current, control, breaker status, and auxiliary power to operate the Viper-S. This package uses the power from the control to operate the Viper-S through a four-shot sequence. The power in the recloser control is backed up by batteries and provides an excellent solution for applications requiring deadline operation.

The Control Power Viper-S paired with the SEL-651R provides deadline operation which the 14-pin connector cannot provide. The Control Power Viper-S provides a more economical solution compared to the traditional SEL-651R 14-pin configuration. This is accomplished by utilizing the SEL-651R power source to drive the Viper-S magnetic actuator and eliminate the AC/DC power supply within the Viper-S. The Control Power Viper-S has less electronics in the recloser than traditional 14-pin reclosers on the market today.



14-pin connector



19-pin connector

With the addition of the 19-pin interface, the Viper-S is now compatible with many of the popular recloser controls. The chart of controls below is a non-exhaustive list. Other relays can be integrated with the Viper-S using

our Custom Relay Solution for 48 or 125 VDC I/O applications. Please contact your G&W representative for more details.

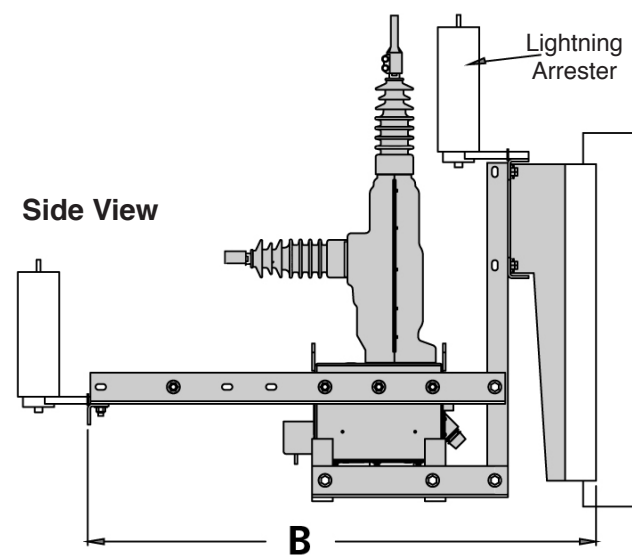
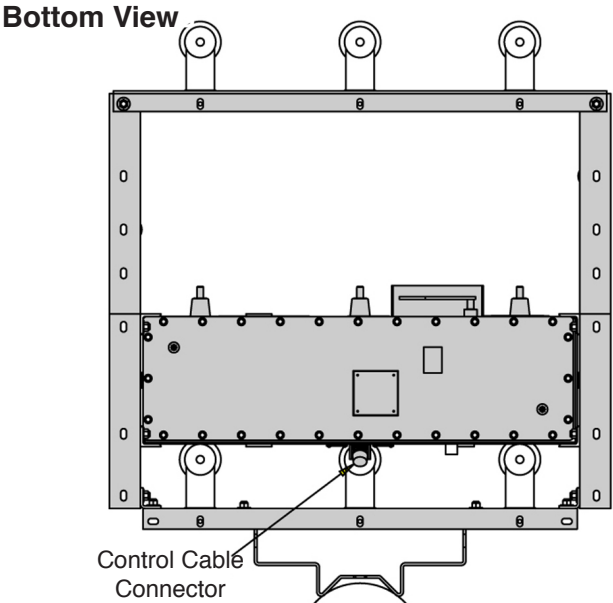
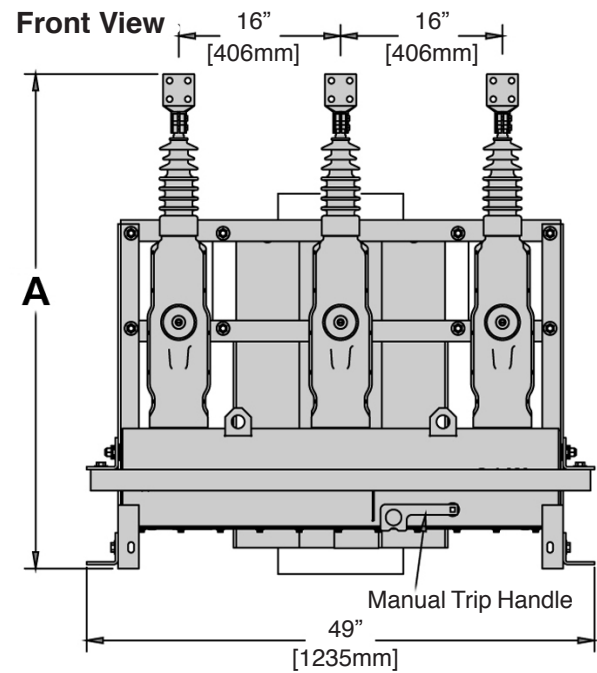
### FEATURES

The Control Power Viper-S utilizes the same magnetic actuators, with integrated spring trip, and the proven solid dielectric encapsulated dead tank modules with screw on silicone insulators as traditional Vipers. The Viper-S has been upgraded to proficiently meet the growing demand of the SEL-651R recloser control for mechanically ganged applications.

The Control Power Viper-S provides an alternative source of reclosers to use with existing recloser controls in the field.

Viper-S Recloser Control Comparison Chart			
Manufacturer	Control	Connectors Accepted	
		14-pin	19-pin
SEL	351R	X	
	651R	X	X
Cooper	Form 6	X	X
	Form 5	X	X
	Form 4D	X	X
	Form 4C	X	X
	FXB	X	
GE	URC	X	
ICMI	URC-II	X	

Ratings			
<b>Voltage class (kV)</b>	<b>15</b>	<b>25</b>	<b>35</b>
Impulse level, BIL, (kV)	110	125	150
Continuous & load break current (A)	800	800	800
8-hour Overload (A)	960	960	960
60Hz Withstand (kV rms )			
One Minute, dry	50	60	70
10 second, wet	45	50	60
Interrupting Current (kA rms sym)	12.5	12.5	12.5
Making Current			
RMS, asym (kA)	20	20	20
Peak, asym (kA)	32	32	32
Short Circuit Current, 3 seconds (kA sym)	12.5	12.5	12.5
Mechanical endurance (operations)	10,000	10,000	10,000
Temperature Range	-40°C to +65°C (-40°F to 150°F)		



Polemount Viper-S with Control Power

Dimensions			
<b>Voltage class (kV)</b>	<b>15</b>	<b>25</b>	<b>35</b>
"A" Dimension	42 in. (1067mm)	47 in. (1204mm)	51 in. (1295mm)
"B" Dimension	39 in. (991mm)	44 in. (1118mm)	48 in. (1219mm)