

Digital Zero Voltage Closing (ZVC) Control for Capacitor Switching

NEW Digital ZVC control can be used with the
VBM switch for 15kV-69kV applications!



The Industry Leader in Capacitor Switching

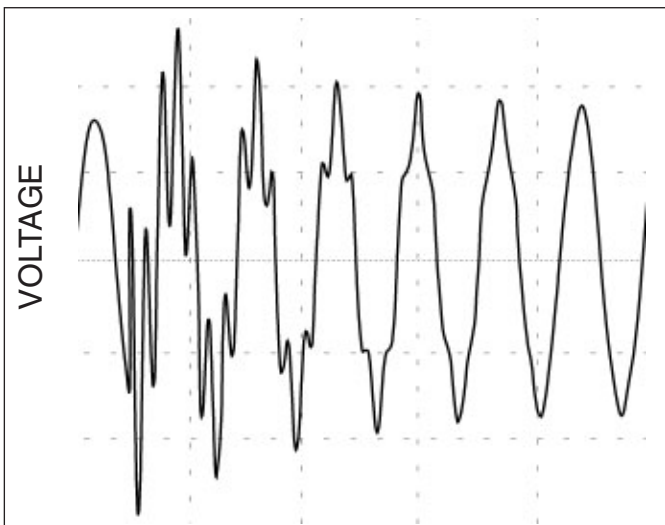
Features/Benefits

- Eliminates transients - improves power quality
- Dramatically reduces inrush currents
- Easy installation & commissioning (no factory technician required)
- Automatic calibration with Joslyn VBM switches
- Self adjusting continuously for temperature throughout complete switch life
- Can be retro-fitted into existing Joslyn Varmaster VBM switches
- Eliminates electronic adjustable speed drive nuisance tripping
- Reduces system overvoltages normally associated with random capacitor switching
- Increases capacitor life

Joslyn's commitment to the demanding duty of capacitor switching is further demonstrated by the development of an optional control package to close three switch poles independently, synchronized with the occurrence of zero voltage in each phase.

The mechanical simplicity, high-speed operation and response repeatability of the Joslyn vacuum switches make this application feasible. The result is elimination of overvoltage duty on the capacitors and system overvoltage disturbances which were once tolerated as an inherent negative aspect of energizing a capacitor bank, and the significant reduction of inrush current duty on the capacitors as illustrated in the difference between the before and after wave forms (shown below). The control can be also interfaced with any manufacturer capacitor controller.

Before



After

