



PACS Industries, Inc.

BACKFEED SAFETY VOLTAGE PROTECTION

Undetected backfeed voltages are a common source of shock or Arc Flash incidents that can cause injury or death. OSHA and NFPA-70E require that a safe working environment be provided for personnel in the workplace.

As an illustration, personnel may expect the bus tie circuit breaker to have been opened...when it is still closed; personnel may expect the outgoing cable circuit to be deenergized with the circuit breaker open, but voltage could be present due to backfeed or high cable inductance.

Detection and warning that expected deenergized circuits are still energized helps to avoid accidents and maintain safety in the work place. For bus bar or cable detection.

*The PACS Model **PACSafeVOLT** will provide such warning simply, safely, and economically.*

- **Does not require potential transformers.**
- **Uses capacitive insulators that are simple to install, for voltage detection.**
- **Self-contained . No external power supply required. Maintenance free.**
- **Can easily be installed in existing switchgear.**
- **Available: Output contacts, 5-20 mA signal.**
- **4160 Volt, 13,8 kV , 26 kV, and 34.5 kV service. 60 kV to 170 kV BIL.**
- **Lightning symbol indicates voltage status.**
- **Voltmeter optionally available.**



PACSafeVolt

Capacitive insulators include an internal insulated capacitive circuit that provides a control analog voltage signal which corresponds to the high voltage connected to the top of the insulator. It acts much like a PT. It will detect full, partial, or no voltage and operates the above indicator. Photo to the right is typical of a 3 phase array. Available for single phase detection. Insulator may be used as bus support, or cable connected to existing high voltage circuits.

