ArcSwitch®
Safety upgrade and personnel risk prevention

Safety upgrade solutions are essential because they save lives. But that’s not all. Taking the right precautions today can save you time and money in the future: protecting people and assets, reducing the cost of injuries and damages, limiting downtime and maintenance requirements.

Maximum protection. Look after people with reliable remote operating controls, to reduce dangerous man-equipment interactions and opportunities for human error, improving overall safety and productivity.

Maximum uptime. ABB remote operating solutions keep your business running, improving uptime. Distance of the operator from the switchgear, out of the arc flash boundary, enables lower category PPE and reducing switching on and off sequence time required.

Maximum peace of mind. You can count on ABB. We are certain to have a high-quality solution that’s right for you – from low- to medium-voltage applications. With more than 100 years of experience in power and automation, we are the trusted partner of businesses worldwide.

An electric arc can occur for several reasons, such as human error, animal intrusion, component failure or bad connections. Accidents are quite unusual but when they happen, their consequences may be very severe. Operators are always exposed to these risks when working in the switchgear room. Flames, ejected parts, smoke and overpressure are the main effects of an arc fault in a non-arc classified switchgear. When the fault happens in an arc-classified switchgear not equipped with a proper exhaust gas duct, smoke is released in the room.

ArcSwitch® enables to operate from a safe distance between personnel and equipment during switching operations and provides the most effective means of avoiding injury by keeping people out of harm’s way.

Easily integrated on new switchgear or installed base, it is used to switch medium and low voltage circuit breakers remotely.
Distance. Electric maintenance, troubleshooting personnel and operators are always exposed to risks when working in the switchgear room. Maintaining a safe distance between personnel and equipment during switching operations provides the most effective means of avoiding injury.

Putting the protection of your people first is a smart choice. Because safety is not a cost, it is an investment.

- Remote switching of medium and low voltage circuit breakers
- Quick install time
- Simple to use and operate with no training needed
- Connect, arm and switch at a safe distance
- Switch any control voltages
- Retrofit to any switchgear
- Switch any make or vendor of circuit breaker

The ArcSwitch panel unit is designed to be easily installed in each low voltage compartment, during regular maintenance, interfacing to the circuit breakers control circuit opening and closing coils.

One panel unit for breaker is required as a permanent installation, while all items for control come in rugged carry case for storage when not in use.

After installation the operator can connect the ArcSwitch meter with ease, switch with no tools or switchgear drawings necessary.

Operating sequence:
- Magnetically clip the ArcSwitch rugged yellow meter to the panel
- Connect the test leads following the color codes, starting with the ground first
- Arm the ArcSwitch meter by pressing the master on/off button
- Switch safely with the ArcSwitch transmitter from safe distance.

ArcSwitch® is CE marked and pending Eurofins MET marked in compliance EU, US and Canadian safety requirements.

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