KIRK®
Work SAFE For LIFE™

UNINTERRUPTABLE POWER

APPLICATION DATA SHEET

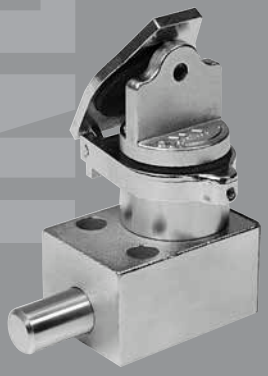
INDUSTRIES

POWER DISTRIBUTION

POWER GENERATION

POWER TRANSMISSION

EMERGENCY POWER TAP BOX APPLICATIONS



Type F Bolt Interlock

Type DC Access Interlock

Is your facility emergency power ready? In a situation in which power has been lost, it may be necessary to connect to an emergency power generator. An installed tap box at your facility, equipped with KIRK® trapped key interlocks, will ensure you can safely restore power. This lower cost manual transfer system is an alternative to more expensive automatic transfer systems, and will have your business back to operations with minimal time and dollars lost.

KIRK® key interlocks ensure that a predetermined sequence of operations is performed to prevent crucial safety measures from being omitted while restoring power. KIRK® key interlocks can be installed in the field to existing/previously installed tap boxes, often, without interrupting power. Once installed, the power restoration process can be implemented safely during lost power situations.

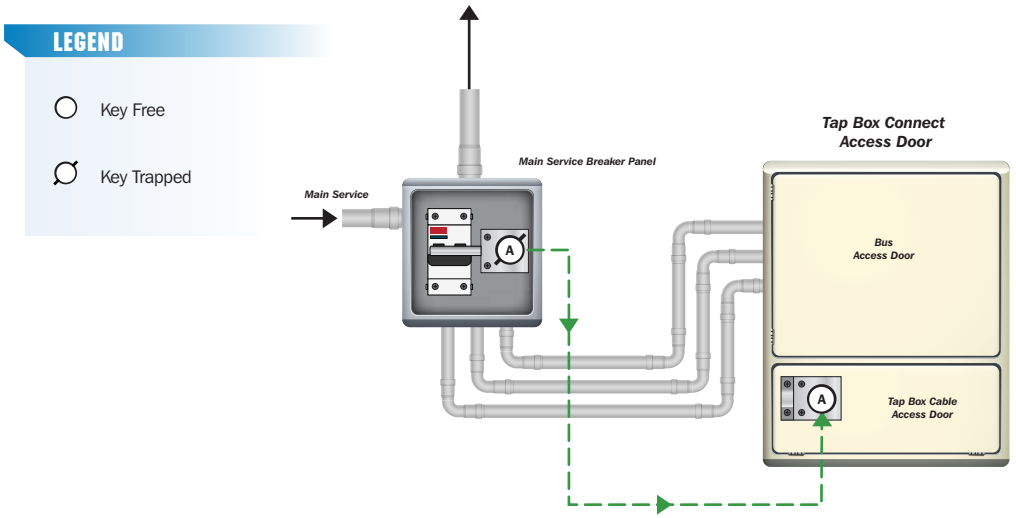
See back side for a typical tap box application and scheme.

BACK FEED INTERLOCK APPLICATIONS

APPLICATION DATA SHEET

EMERGENCY POWER TAP BOX APPLICATIONS

INTERLOCKING LOGIC



The interlocking logic shown illustrates a typical sequence for restoring power with a quick connect tap box and remote power service.

Note: *To prevent paralleling of lines, single load fed from either source.*

OPERATION

INITIAL SYSTEM STATUS:
Main service breaker is closed and Key A is trapped.

SYSTEM OPERATION:

1) Open main breaker. Extend bolt on main breaker interlock and release Key A. Main breaker is now locked open.

2) Insert Key A into access interlock on tab box cable access door and turn key. Open door. Key A is now trapped.

3) Connect generator cables in appropriate tab box connectors. Key A is trapped until generator cables are disconnected and tap box connect cable access door is closed.

4) Power up generator and restore power to facility.

5) To return service back to main breaker panel, power off generator and reverse sequence.

INTERLOCKING SEQUENCES CAN BE DESIGNED TO SUIT ANY OPERATIONAL OR PROCESS REQUIREMENTS

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