



ENHANCED LOTO PROCESS

APPLICATION DATA SHEET

PROCESS PIPING
ELECTRICAL EQUIPMENT
MACHINE GUARDING

TRAPPED KEY INTERLOCK + LOTO

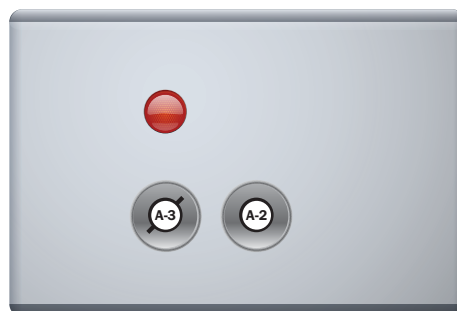


ENHANCED LOCKOUT TAGOUT PROCESS

TRAPPED KEY INTERLOCK + LOTO

OPERATION

- 1) Turn off power with control stop releasing Key A-1.
- 2) Open disconnect.
- 3) Insert Key A-1 and turn to lock open. Attach lockout tagout padlock to interlock bolt. Turn and remove Key A-2.
- 4) Verify power is off with control stop.
- 5) Insert and turn Key A-2 in TDKRU, starting time delay.
- 6) Signal lights on TDKRU; turn and remove Key A-3.
- 7) Insert and turn Key A-3 on guard B and attach lockout tagout padlock.
- 8) Turn and remove Key A-4; the personnel key.
- 9) Open guard B.
- 10) To restore power, remove lockout tagout padlocks and reverse sequence.

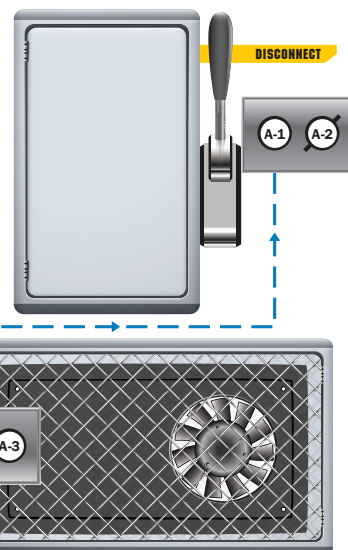


TIME DELAY KEY RELEASE UNIT

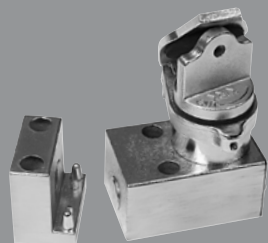
GUARD B

KEY A-3

KEY A-2



LOTO lock box



Type D
access interlock

Type PPS
interlock

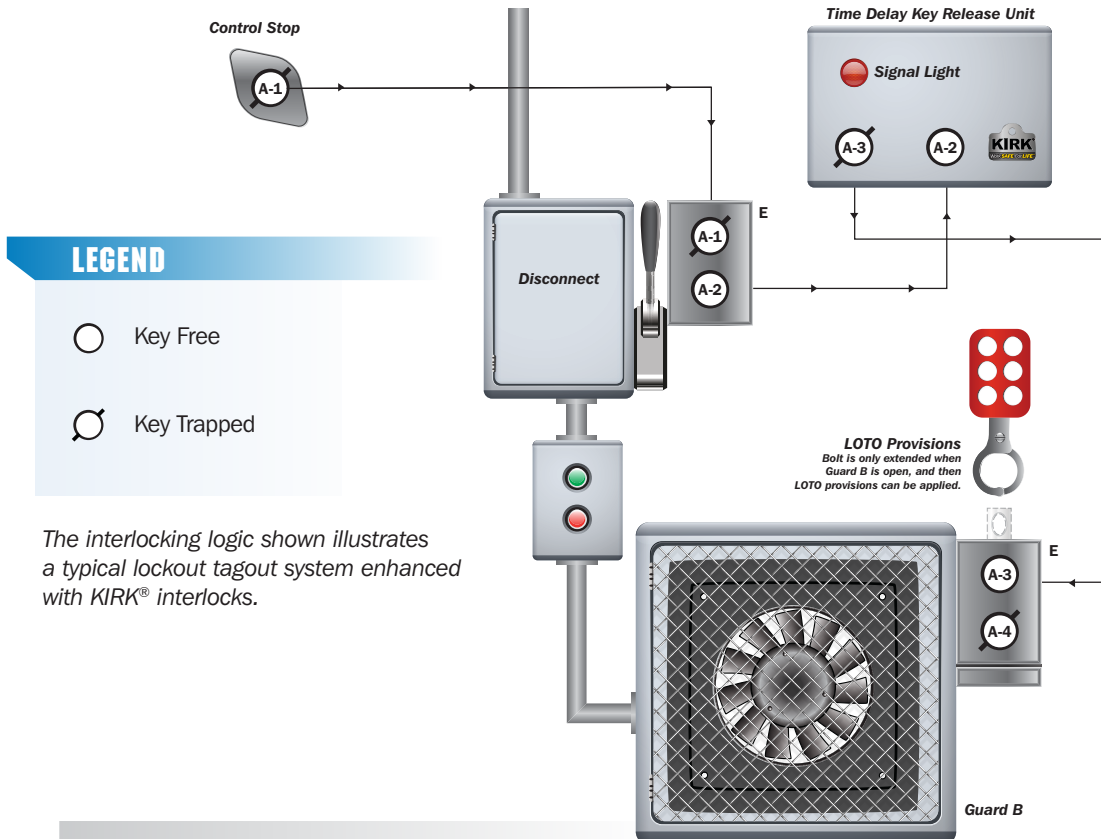


Enhancing your lockout tagout procedure with KIRK® trapped key interlocks ensures energy isolation procedures cannot be circumvented. Typical industrial equipment may contain hot fluids, blades, fans, pinch points, and moving parts hazardous to workers and other equipment. A written lockout tagout procedure is used to document the steps to remove/isolate energy source(s). KIRK® trapped key interlocks can aid in isolating the energy source(s) and the lock and tag can be applied to the interlock.

This partnership between the interlock and lockout tagout prevents personnel from mistakenly removing the lock and tag, and re-energizing the equipment. The key is removed from the interlock and is with the personnel performing the lockout tagout procedure. The equipment cannot be re-energized until the uniquely coded KIRK® key has been re-entered into the sequence after all workers are clear from the completed task and out of harm's way.

A simple lockout tagout scheme, enhanced with KIRK® trapped key interlocks, is detailed step by step on the back side.

ENHANCED LOTO LOGIC



OPERATION

INITIAL SYSTEM STATUS:

Equipment is energized. To prevent opening of Guard B for a predetermined time after removal of power, disconnect switch is closed. Key A-1 is held in disconnect switch interlock. Guard B (or door) is locked closed by means of Type D access interlock.

SYSTEM OPERATION:

- 1) Turn off power with control stop releasing Key A-1.
- 2) Open disconnect.
- 3) Insert Key A-1 and turn to lock open. Attach lockout tagout padlock to interlock bolt. Turn and remove Key A-2.
- 4) Verify power is off with control stop.
- 5) Insert and turn Key A-2 in TDKRU, starting time delay.
- 6) Signal lights on TDKRU; turn and remove Key A-3.
- 7) Insert and turn Key A-3 on guard B and attach lockout tagout padlock.
- 8) Turn and remove Key A-4; the personnel key.
- 9) Open guard B.
- 10) To restore power, reverse sequence and remove lockout tagout padlocks.

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