

# WIRING DIAGRAM 235-162



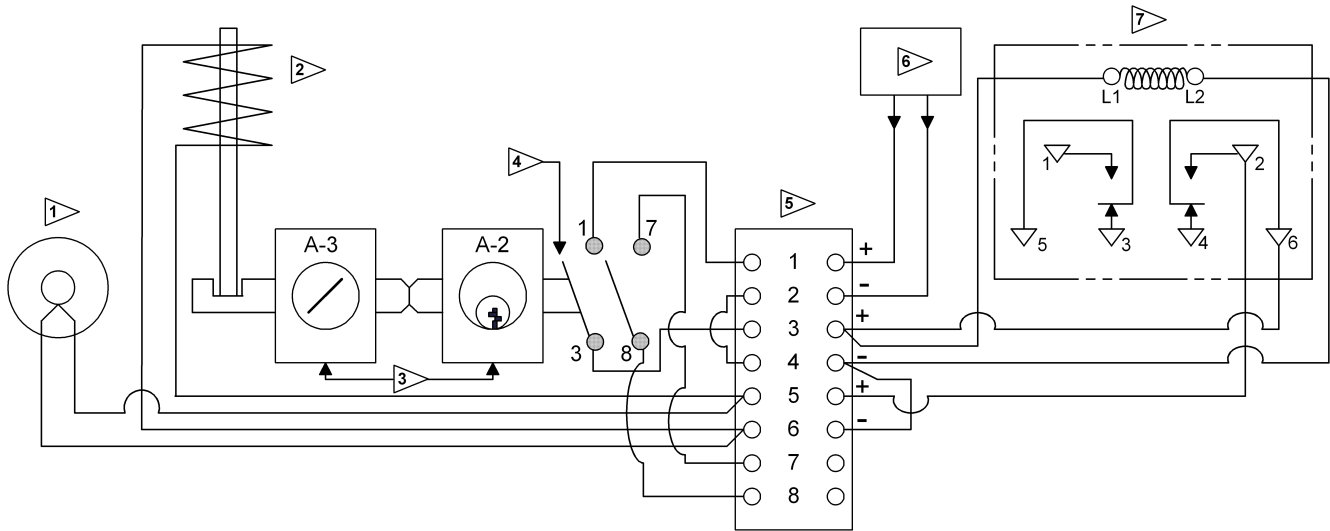
## Kirk Key Interlock Company

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## TDKRU Wiring Diagram 235-162



### NOTES:

- |                         |                   |
|-------------------------|-------------------|
| 1) Signal lamp          | 5) Terminal block |
| 2) Solenoid             | 6) Power source   |
| 3) KIRK® key interlocks | 7) Timing Relay   |
| 4) Auxiliary switch     |                   |

### Normal Operating Conditions:

- 1) Key A-2 is out of interlock.
- 2) Key A-3 is held in interlock.
- 3) Auxiliary switch is open.
- 4) Signal lamp is de-energized.
- 5) Solenoid is de-energized.
- 6) Time delay relay is de-energized.

### Operating Sequence:

- 1) Insert key A-2 in initiating interlock in time delay key release unit and turn to start timing mechanism. Key A-2 is now held.
- 2) After a predetermined time delay interval (set by customer at time of installation), the time delay relay closes the circuit to the solenoid and signal lamp. NOTE: the timing mechanism must be energized during the entire operating cycle. In the event of power failure during the time delay period, the timing device instantly returns to its original position.
- 3) Signal lamp is energized.
- 4) Solenoid is energized and plunger is withdrawn permitting operation of interlock.
- 5) Turn key A-3. Key A-3 can now be removed from the unit to proceed with the operating sequence.

Reverse sequence to restore time delay key release unit to normal operation conditions.