# INSTRUCTIONS

## ELECTRICAL INTERLOCK
### MAG BREAK* DISCONNECT OR SELECTOR SWITCH
### (INTERLOCK LOCKED WHEN ENERGIZED)

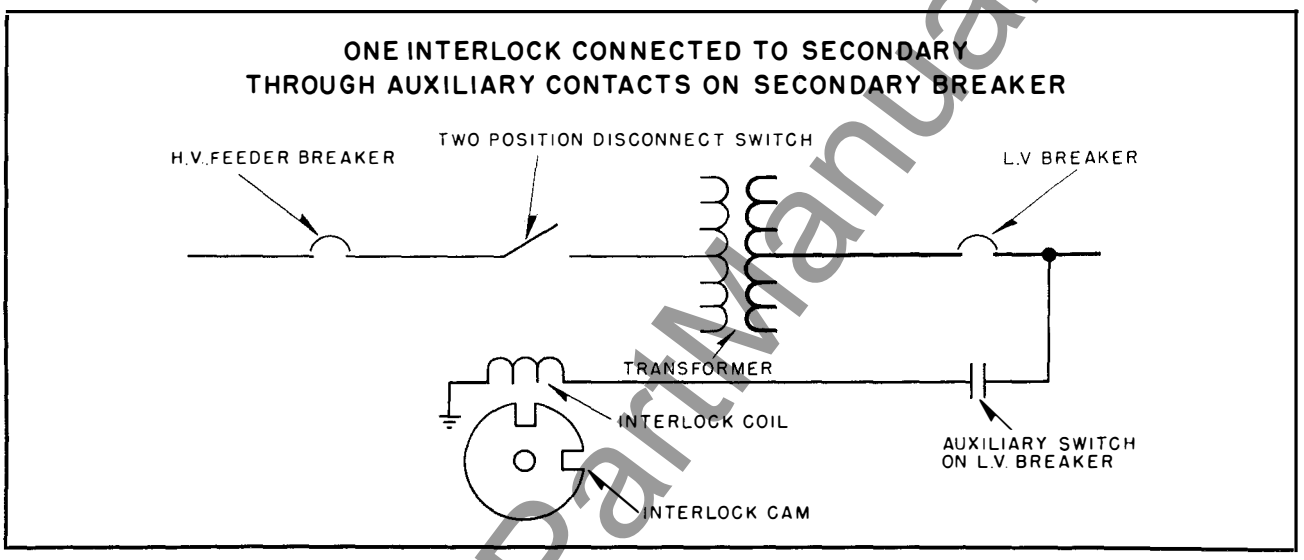


FIG. 1. Use of Interlock with Two-Position Disconnect Switch.

The interlocking system used on mag break switches uses one interlock. This interlock prevents movement of the switch from "closed" to "open" position for Fig. 1 and from either of the two "closed" positions to "open" for Fig. 2, when load is on the transformer. The secondary breaker must be opened to de-energize the interlock coil as it is arranged to lock when voltage is applied to the coil. This system is used whenever an auxiliary source of power is not available. Voltage required is usually the same as the low voltage of the main transformer, and will be shown on the diagram instruction plate on the transformer.

The schematic diagram shows the interlock coil with one lead grounded and one lead brought out for connection to the auxiliary switch. In some cases

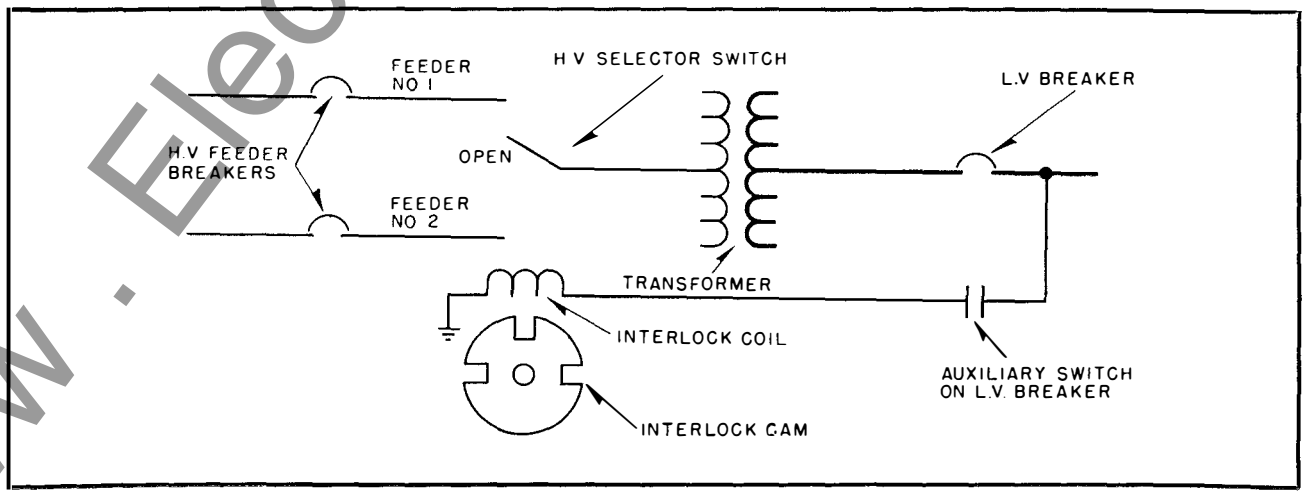


FIG. 2. Use of Interlock with Three-Position Selector Switch.



*Magnetizing Current Breaking

both leads may be brought out through the junction box. One of these leads is connected directly to the source and the second one connected through the auxiliary switch.

This system requires an auxiliary contact on the secondary breaker whenever the secondary grid may be energized from another source. If the transformer is the only source of power the auxiliary contact is not required, since opening the breaker will remove voltage from the interlock coil.

The feeder selector switch, shown in Fig. 2, uses one interlock to prevent movement of the switch from either of the two "closed" positions to "open" position when load is on the transformer. The secondary breaker must be opened to deenergize the interlock coil as the interlock is arranged to lock when voltage is on the coil. This system is used whenever an auxiliary source of power is not available. Voltage required is usually the same as the low voltage of the transformer, and will be shown on the diagram instruction plate on the transformer.

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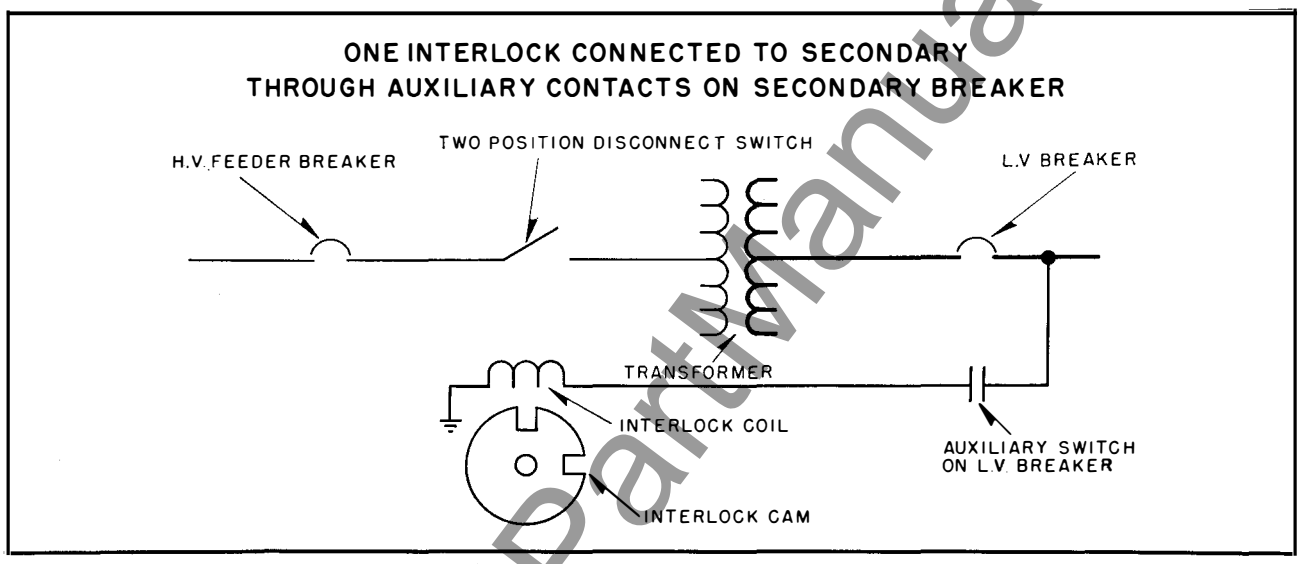


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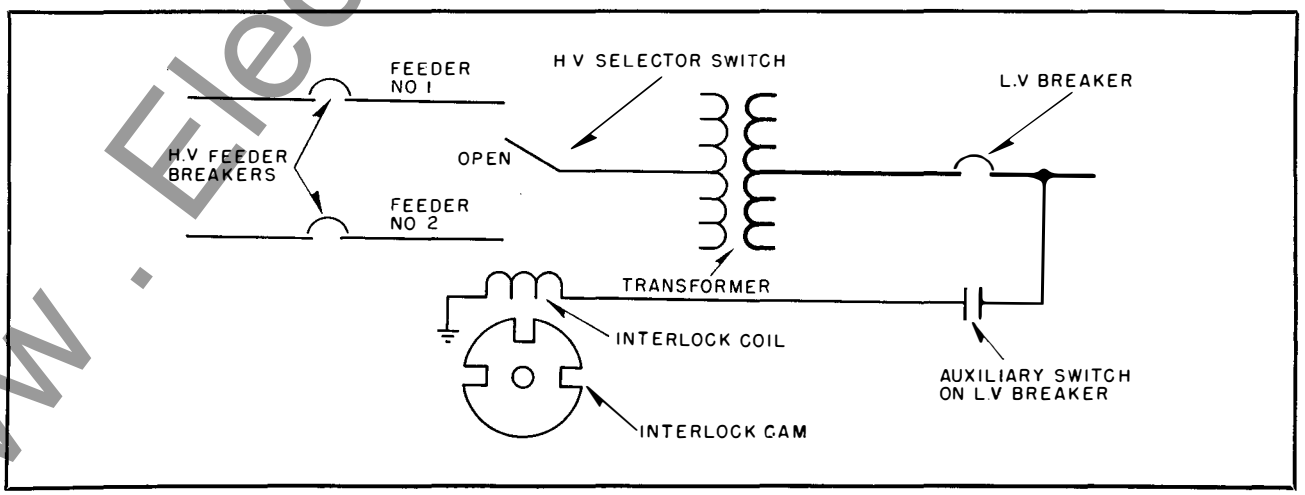


**FIG. 2. Use of Interlock with Three-Position Mag Break* Selector Switch.**



*Magnetizing Current Breaking

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