INSTRUCTIONS

KEY-INTERLOCKS

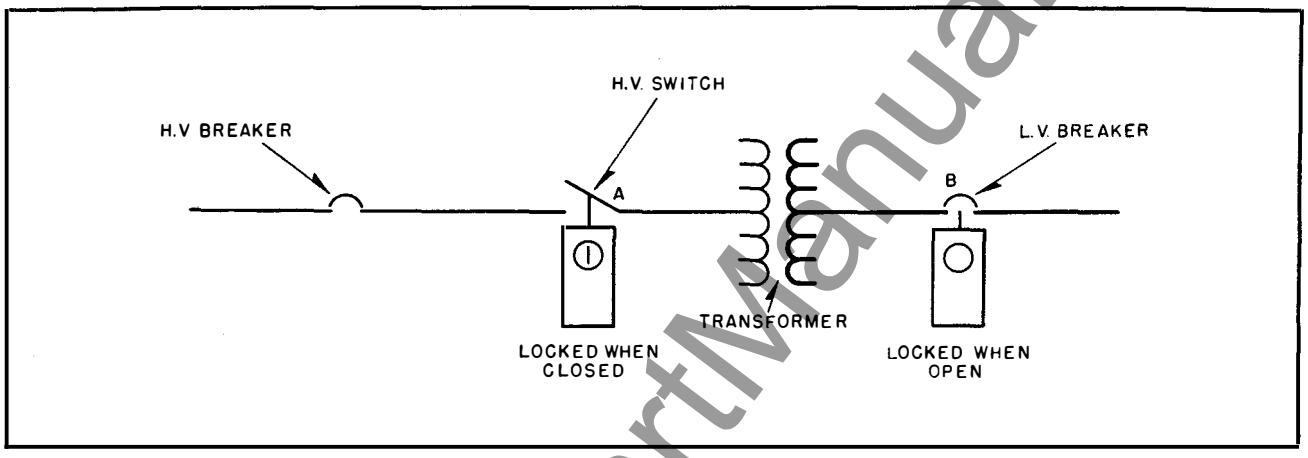

FIG. 1. Two Key-Interlocks Used on Mag Break* Switch.

The sketch above shows the interlocking system normally used to interlock low voltage breaker and high voltage switch. When the switch is closed the interlock A can be locked and key removed. Then interlock B can be unlocked and breaker closed. Key is then retained. High voltage switch cannot be operated.

To operate high voltage switch:

1. Open low voltage breaker.

2. Turn key in interlock B to lock breaker in open position and remove key.

3. Insert key in interlock A, turn key to unlock switch.

4. Move switch to open position. Key is then retained in interlock A.

The above covers a magnetizing-current breaking switch. If a disconnect switch is supplied, a third interlock is installed on the high voltage breaker per schematic diagram in Fig. 2.

This system prevents operating the high voltage switch unless breakers "A" and "B" are both open.

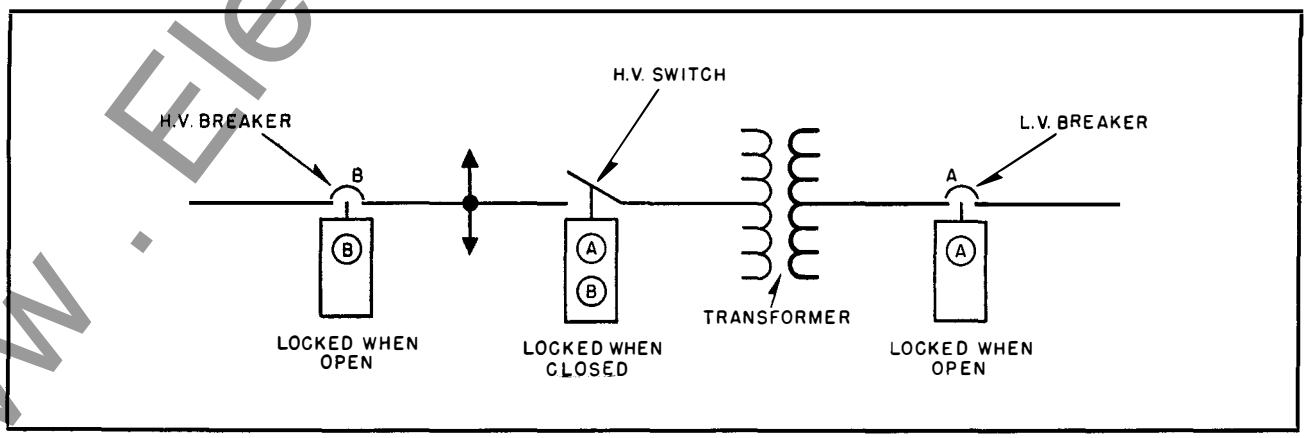

FIG. 2. Three Key-Interlocks Used on Disconnect Switch.

SUPERSEDES I.L. 46-723-17

*Magnetizing-Current Breaking

NOVEMBER, 1952

To operate high voltage switch:

1. Open breakers "A" and "B".

2. Turn keys in interlock to lock breakers in open position and remove keys.

3. Insert both keys in high voltage switch interlock and turn both keys to unlock switch.

4. Move high voltage switch to open position; keys are then retained.

Other and more complicated arrangements of interlocks are used to accomplish a particular system of interlocking. These are usually extensions of the true lock system and are designed to suit each installation.

Each interlock is furnished with a key and in systems involving more than one pair of interlocks the keys and locks are identified with an interchange number.

After installation the extra keys should be removed from the system and retained by a designated responsible person.

In cases where locks are installed with mounting bolts exposed, the bolts are furnished with drilled heads. A meter seal should be installed through these bolt heads to indicate any possible tampering with the locks.

WESTINGHOUSE ELECTRIC CORPORATION
SHARON PLANT • TRANSFORMER DIVISION • SHARON, PA.
(Rep. 8-57) Printed in U.S.A.