

# Mechanical Interlocks for Ground Switch Operators

A mechanical interlock is a linkage between the main and ground switch operators. It is available in manual positioning type (sliding bar) and automatic positioning type. For manual positioning interlocks, the main switch is opened and the interlock bar is slid over to capture the interlock disk on the main switch operator. This action releases the interlock disk on the ground switch operator, allowing the ground switch to be closed. The process is then reversed to close the main switch.

The automatic position interlock functions the same way except the interlock bars position themselves automatically. Some customers want an automatic position interlock for the convenience of not having to actually move the bar. This type of interlock is supplied when the main or ground switch are motor operated.

To install mechanical interlocks, there must be an unobstructed path between the main and ground switch operating pipes and the vertical operating pipes should not be more than 20 ft. from each other. The interlock can be positioned high enough from ground level as not to create a passage obstruction if the operating pipes are on separate columns.



Sliding bar mechanical interlock



Automatic positioning mechanical interlock

***Cleveland/Price Inc.***

14000 Rt. 993, Trafford, PA 15085 (24) 864-4177

FAX (724) 864-9040

E-mail: [sales@cleavelandprice.com](mailto:sales@cleavelandprice.com)