



Cutler-Hammer

Assembly, Operating & Maintenance Instructions for Pringle Type QA Switches

Instruction Sheet F

December 2008

ASSEMBLY

Quality control processes along with testing at the factory eliminates the need for adjustments to the switch. The installer should, however, give consideration to the following:

1. The switch is shipped in the CLOSED position, with the dead front operating handle and trim plate unmounted. The closed switch should be mounted in the vertical-upright position in the switchboard. The operating handle should be bolted to the operating shaft so that it is slightly left of vertical. The switch should be operated in test fashion and left in the CLOSED position before making the bus connections. Also, before bolting the bus bars to the line and load terminals, a check should be made to ensure that the bus is in line (flat, parallel and properly located) with the switch terminals. Failure to follow these instructions could result in misalignment of the switch contacts which could cause a malfunction in the operation of the switch.
2. After making the bus connections, the switch should be operated in test fashion again and left in the CLOSED position.
3. Remove the operating handle, and after installing the front cover of the switchboard, the trim plate may be mounted and the handle rebolted to the

shaft so that it is slightly left of vertical in the CLOSED position.

OPERATION

To open: Rotate the operating handle clockwise until the handle is parallel to the floor and OPEN appears on the switch position indicator.

To close: Rotate the handle counter-clockwise until CLOSED appears on the switch position indicator.



WARNING

Do not attempt to install switches or perform maintenance on equipment while it is energized. Failure to following this warning could lead to death or severe injury. Always verify that no voltage is present on all switch terminals prior to servicing. While energized, an arc flash and shock hazard exists. Consult NFPA 70E and OSHA guidelines for operator safety prior to servicing equipment.

MAINTENANCE

The Pringle switch parts are precision made and the switch is virtually maintenance-free while the switch is in the CLOSED position.

When the switch is in the OPEN position, the contact surfaces will be exposed to possible accumulation of dirt, particularly during jobsite construction. This could cause "cutting" of the silver-plated contacts, resulting in improper mechanical and electrical operation of the switch.



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If dirt has accumulated on the exposed contacts, they should be cleaned with CRC-226 (or equivalent) and lubricated with a thin coating of Rheolube 363. (Available from William F. Nye, Inc., New Bedford, MA, 508-996-6721)