

# Moline Safety Update

## Positive-Opening Limit Switches Standard on Moline Equipment

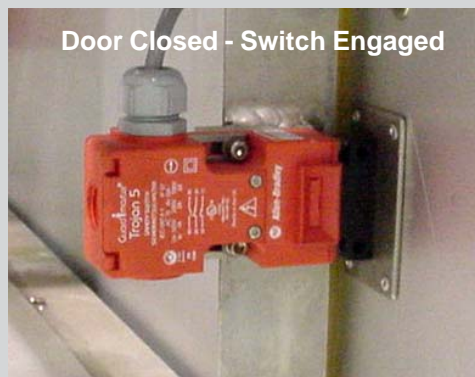
**S**afety on the plant floor is always a hot topic in production facilities. In another effort to ensure safer work areas, Moline applies the use of positive-opening limit switches as a standard feature on industrial equipment. Positive-opening limit switches are more reliable than previously used switches and more difficult to override. The switches are wired to a set of normally closed contacts that drop power to the machine or PLC when the guard is removed or opened. They do not rely on springs within a switch to release and can overcome welded contacts.

Moline uses three types of positive-opening limit switches: keyed switches (as shown at right), cam operated switches and magnetic switches. Each style is used in the application it is appropriate for. (Magnetic switches are configured with unique sender and receiver modules, used where tolerance to misalignment or vibration is required and/or the switch will be exposed to direct washdown.

These switches offer the highest level of protection available for guards that must be removable for service, meeting safety standards in both North America and Europe.

It is recommended that switches used on older Moline equipment are replaced with the positive-opening style. Contact Moline Customer Service for details.

*Keyed Positive-Opening Switch*



*Figure A*

