

Industrial Safety Interlock Switches

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Safety & First Aid

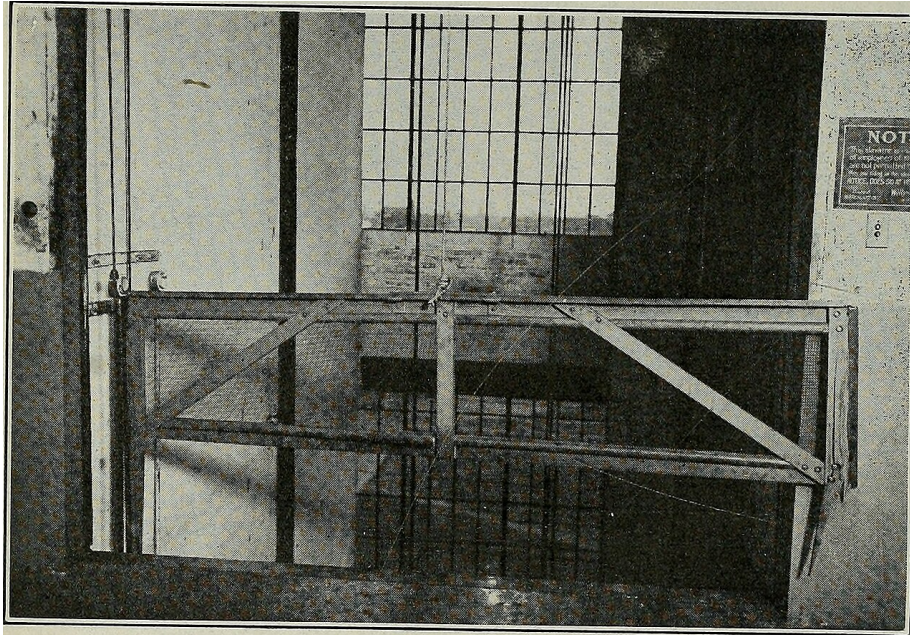


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Safety interlock switches break the power or control circuit when a guard, door or cover opens, preventing machine operation while access is possible. Positive-action contacts and proper installation make them a real safety control, not a switch.

Key Features

- Positive-break NC contacts
- Key-actuated guard interlocks
- Hinge and tongue styles
- Solenoid locking versions
- IP rated housings

Typical Uses in the Workshop

- Interlock machine guards and doors
- Prevent start with covers open
- Lock interlock doors during cycles
- Satisfy machine guarding rules

Safe Operation

1. Mount the switch and actuator aligned
2. Wire in the control circuit per the diagram
3. Check the door action trips the switch
4. Test that the machine will not run open
5. Force-guided contacts for safety circuits

SAFETY NOTES

- Interlocks are safety devices - spec them properly
- Never bypass or defeat an interlock
- Wire to the control circuit, not the load only
- Test the interlock every session
- Only trained staff replace safety parts

Maintenance & Consumables

- Clean the switch and actuator
- Check the contact function
- Verify the door sequence
- Test with a meter
- Log the safety checks

Specification & Buying Notes

Buy certified safety interlock switches with positive-break contacts from genuine safety suppliers. Match the style to the guard type. Interlocks are not the place for budget parts.