

Safe Ground Fault Circuit Interrupters (GFCIs)

A ground fault circuit interrupter (GFCI) is used to trip an electrical connection if there is a break in the low-resistance grounding path from a tool or electrical system. GFCIs protect against ground faulting, overheating, electrocution and destruction of wire insulation. GFCIs do not protect against direct contact with live parts.

What Needs to Be Protected by GFCIs?

All electrical equipment used in construction, including, but not limited to:

- Corded power tools.
- Electrical extension cords.
- Industrial vacuums.
- Electrical lifts/mobile equipment.
- Lighting systems.

Temporary power installations should include permanent GFCIs in them. If using existing building power, a GFCI adapter will most likely be required.



Examples of GFCIs

Permanent GFCI outlets.



GFCI Adapters



Remember to inspect the GFCIs regularly. This can be done by using the “test” and “reset” buttons.