

## Finding a break in the wire

### Symptoms

The perimeter switch is indicating the scissors sign, meaning there is a break in the wire.

### Solutions

- First, test the perimeter switch by connecting a few inches of a wire loop to its connector. If 'Wire disconnected' light doesn't illuminate, and the switch blinks on steadily, the perimeter switch is fine and the break is in the wire.
- Suspect and check connectors, splices and areas where you have done some recent work, like edging, planting or airtating. Any place the wire was spliced just by twisting it together is a "good" place for a disconnection due to corrosion.
- Using the perimeter switch as a detector for continuity:
  - Take an extra piece of wire that can reach from one side of the lawn to the other.
  - Connect the perimeter switch to one end of the perimeter wire leading to it from the plot. (A). Connect another short wire (3 feet) to the perimeter switch other connector hole (B).
  - Strip (do not cut) half an inch of wire in the middle of the perimeter wire loop and touch it with the other wire leading to the perimeter switch. If the 'Wire disconnected' light keeps blinking, the break in the wire is in the other half of the wire loop.
  - Do the same at the middle of the other half and so forth until you find the area the wire is cut. Take out the wire and physically find the break.

