

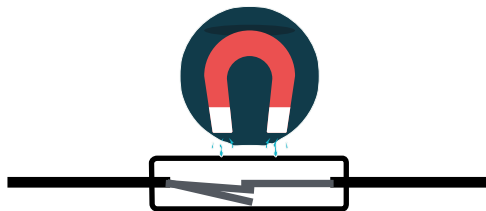


## Pacemakers and external factors

Magnets and pacemakers



When a magnet is placed over a pacemaker it can cause the pacemaker to behave differently...



The reed switch

## A magnet triggers



- Asynchronous pacing
- Increased output pulse

VOO @ 60 bpm



**Single-chamber - AOO/VOO**

DOO @ 60 bpm



**DOO**

## Clinical Uses



- Temporarily resolve sensing issues
- Protect against EMI
- Assess magnet rate

## Takeaway message



Most devices switch to **asynchronous pacing** in the presence of a magnet. This can be very useful in an emergency situation.