



# SAMUEL BAGNO



## WHO WAS SAMUEL BAGNO?

Samuel Bagno was an inventor and engineer who created the first modern motion detector. He was born in 1910 in New York City, United States. His invention has helped make homes and buildings safer all over the world. In the 1950s, Samuel Bagno developed a motion detector that could sense when someone was moving. His invention worked by using ultrasonic waves, which are sound waves too high for people to hear. If something moved, it would interrupt the waves, and the detector would send an alert.

## WHY WAS HIS INVENTION IMPORTANT?

The motion detector became an important tool for security. It helped protect buildings, homes, and even banks from intruders. Today, motion detectors are also used in automatic doors, lights, and many other devices.

## HOW DID HE GET HIS IDEA?

Samuel was inspired by how radar technology worked during World War II. Radar used waves to find moving objects, such as planes. Samuel thought this idea could be used for everyday safety, and he worked hard to create his own version.

## WHY IS HE REMEMBERED?

Samuel Bagno is remembered because his invention has made life safer and more convenient for many people. Motion detectors are still used today, and they have become a key part of modern security systems. Samuel Bagno's creativity and hard work turned a brilliant idea into something that has helped people all over the world.

## FIND OUT MORE...

### Facts about Motion Detectors

#### EXAMPLE QUESTIONS:

5 questions the children can use for their revision.

1. When and where was Samuel Bagno born?
2. What did Samuel Bagno invent?
3. How did Samuel Bagno's motion detector work?
4. What inspired Samuel Bagno to create the motion detector?
5. Why is Samuel Bagno remembered today?