

Description

AllClear is a handheld, battery-powered, passive millimeter wave people screening device that detects metallic and non-metallic objects. The screening device is an alternative to intrusive pat-downs by providing a high-level of object detection.

AllClear is a passive millimeter wave system, only measuring the natural energy emitted by the body and does not emit harmful radiation. Millimeter waves are naturally occurring forms of electromagnetic wave energy. Visual body images are not captured, ensuring privacy.

When an object is detected AllClear alerts the user through lights (LEDs), as well as sound or vibration, depending on the mode selected. AllClear only requires one operator, minimal training, and is easy to use. With AllClear, security personnel can easily detect concealed items while protecting the safety and privacy of people being screened.

APPLICATIONS

- Physical security checkpoints
- Flexible deployment options
- Indoor use only

SENSITIVITY

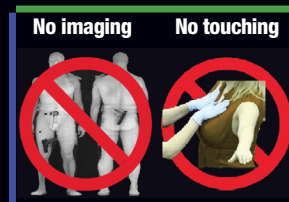
- Metals (ferrous and non-ferrous)
- Non-metals
 - Plastics, liquids, gels
 - Ceramics, powders, explosives
 - Currency, drugs
 - Media and electronics

EASE-OF-USE

- Ready-to-use
- Web-based training
- User guide booklet
- Simplified controls and indicators
- Automatic threat detection

COST-EFFECTIVE

- No regular maintenance needed
- 100% portable, battery operated
- Extended use and durability



Next Generation People Screening With Microsemi Millimeter Wave Technology

Our Technology

Microsemi's Technology:

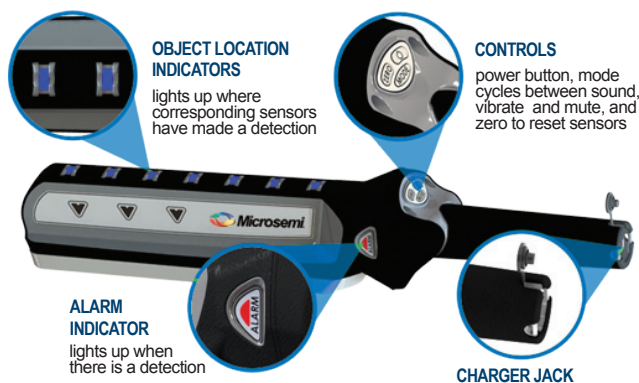
Safe, Effective and Private

Microsemi's patented solutions are all built using passive millimeter wave (MMW) technology. This is a critical distinction, as this is the only type of people screening technology that overcomes the limitations, invasiveness and safety issues of other systems, including x-ray and backscatter machines, metal detectors, and active whole body imaging systems.

Unlike active MMW systems, Microsemi's passive MMW solutions detect objects during people screening without radiating subjects, posing no health risks. The systems simply measure the naturally occurring energy emitted by the person. Microsemi's passive MMW solutions are safe for everyone—including children, pregnant women, and people with pacemakers.

Equally important to safety is the need to protect personal privacy. Microsemi's passive MMW solutions do not reveal anatomical details, so privacy is protected. In contrast, active MMW systems radiate energy to the subject, penetrating clothing and creating a detailed 3D image of the body.

With Microsemi's passive MMW technology solutions, there is no need to compromise between security and protecting the public's health and right to privacy.



Specifications

- Power Supply: 100–240 VAC external charger supplies 12V DC, 20W max. Charger has the following interchangeable plugs: United States, European, United Kingdom, and Australia/New Zealand
- Operating Temperature: 32°F to 115°F (0°C to 46°C)
- Storage Temperature: 19°F to 120°F (-7°C to +49°C)
- Operating Environment: For indoor use only
- Dimensions: 18.38 x 3.54 x 2.83 in (467 x 90 x 72 mm)
- Weight: 23.6 oz. (680 g)
- Numbers of Sensors: 7 radiometric MMW sensors
- Battery: Lithium ion 3.7 volt internal battery pack, 5800 mAh
- Battery Life: Up to 16 hours

Controls

- Power Button: Powers AllClear on and off. Illuminates green/yellow/red to indicate charging and battery status.
- Mode Button: Cycles through alert modes and volume levels for audible alert.
- Zero: Zeros the AllClear. Flashes yellow to indicate when unit is ready to be zeroed (to equalize the sensors).
- Alert Indicator LEDs (2): Illuminates red when the MMW sensors detect an object.
- Sensor Indicator LEDs (7): Synched with 7 MMW sensors to indicate the locality of the detected object. Each LED illuminates blue when the related sensor detects an object.

Additional Information

Visit our website for more detailed information on AllClear and other security solutions from Microsemi:
www.microsemi.com

Protecting People, Property & Privacy