# ADDM⊚RE

Ceiling Mounted PIR Motion Detector

Model: P700

1. INTRODUCTION

The Sensor works by detecting the human body's infrared spectrum. When human movement takes place within the scope, the detector receives the signal and inputs it into the microprocessor after magnification. Microprocessor continues to sample infrared signal and sends wireless signal to the control panel after calculating. The products can be applied in banks, warehouses and homes etc.

2. GET TO KNOW YOUR PRODUCT
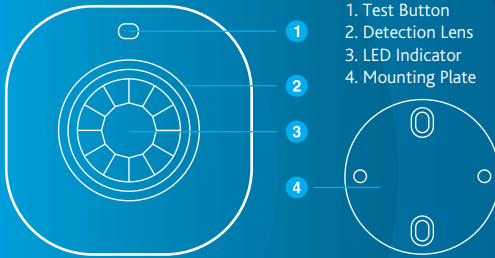
1. Test Button
2. Detection Lens
3. LED Indicator
4. Mounting Plate

3. FEATURES

Accurate Detection
360 detection, no dead angle. Automatic temperature compensation and anti-air turbulance technology

False Alarm Prevention
Digital dual core fuzzy logic infrared control processing technology. Effectively identify interferance signals from body movement signals through intelligent analysis.
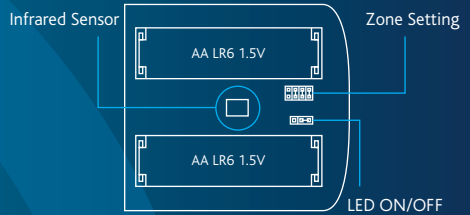
Space-saving
Ceiling mounted, not much space occupation.
Integrated to home decoration, suitable for most premises.

Energy-saving
Featured energy-saving mode enables 1 year standby.

4. PCB LAYOUT

Infrared Sensor

Zone Setting

AA LR6 1.5V

AA LR6 1.5V

LED ON/OFF

Infrared Sensor: Detecting Human Body's infrared spectrum.
DO NOT touch the surface by hand and keep it clean.

5. LED INDICATION

The LED indicator can be turned on or off by setting jumpers. See 'PCB Layout' above.
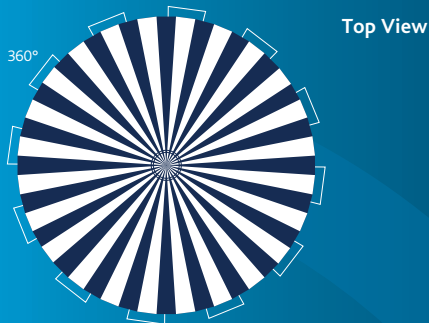
Flash Continuously: Under self-testing state
Flash Once: Intruder is detected
Flash Twice: Testing mode is finished, enters power-saving
Flash Once Every 3 Seconds: Low battery indication, please change batteries.

6. DETECTION RANGE

Side View

3.6m

6m

Customer Helpline:
0345 257 2500

ERA

Top View

360°
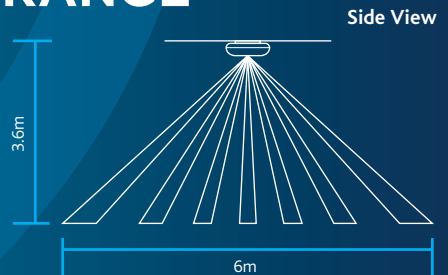
8. USAGE

Remove the battery activation strip to activate batteries. It will enter working state after one-minute's self testing.

9. MODE SETTING

Testing mode: Press the test button, the sensor enters testing mode and detects once every 10 seconds. After 3 minutes, the LED flashes twice, the sensor enters the power saving mode.

Power-Saving Mode: In working state, if the sensor is triggered twice within 3 minutes, it will enter sleeping mode to save power. After no movement within the following 3 minutes, the sensor goes back to working state.

10. INSTALLATION

Choose a suitable position and fix the mounting plate on the ceiling with screws. Fasten the detector on the mounting plate in a clockwise direction. It is suggested to mount it at the height of 2.5-6 metres from the ground.
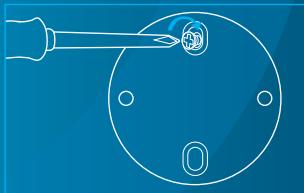
Keep the detector away from the air conditioner, electronic fan, refridgerator, over, heater or any other objects which will cause a fast change in temperature.
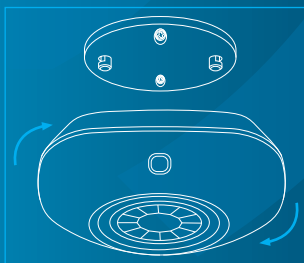
Avoid mounting it in direct sunlight or any objects blocking the lens, so the detection is not affected.

11. TESTING

After installation, power on the detector. After self-testing for 1 minute, press the test button, walk in the scope by crossing the infrared spectrum (see diagram below) and watch the LED indicator to make sure it is working. The LED indicator will flash once when body movement is detected.

High detection sensitivity

Low detection sensitivity
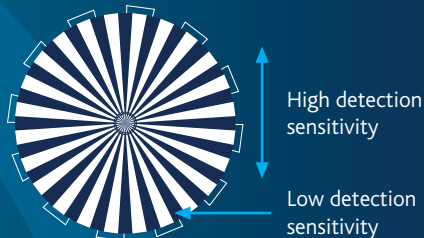
12. CONNECT WITH CONTROL PANEL

When the control panel is in a connecting state, press the test button twice to send wireless signal. One beep is heard after the panel receives signal, meaning a successful connection.

Arm the system and trigger the detector again. This panel will alarm immediately, indicating a successful connection to the panel.

13. SPECIFICATION

Power Supply	DC 3V (AA LR6 1.5V Battery x 2 Pcs)
Static Current	< 13uA
Alarm Current	< 15mA
Installation Height	2.5-6m
Detection Scope	Dia. 6m (when installation height is 3.6m)
Transmitting Distance	< 80m (in open area)
Radio Frequency	433.92MHz (±75KHz)
Housing Material	ABS Plastic
Operation Condition	Temperature: 0°C ~ +55°C
	Relative Humidity: <80% (non-condensing)
Sensor Dimensions	90 x 90 x 36.8mm (L x W x H)
Mounting Plate Dimensions	56 x 56 x 8mm (L x W x H)