

C121U

AIR CONDITION ENERGY SAVING MOTION DETECTOR SERIES

Features:

- ▶ Energy saving by turning OFF the air condition units.
- ▶ Works with split and fan coil air condition units, Based on Infra Red command signals using dedicated Air condition protocols.
- ▶ Universal study logic for any Infra Red protocol.
- ▶ Senses motion of human beings at the room at a distance of up to 6 meters.
- ▶ Optional - turning back ON the air condition units.
- ▶ Self-Adaptive Technology: Time delay continually adjusted to occupant patterns of use, in order to save battery life.
- ▶ Maximum Reliability based circuitry uses a minimum of components.
- ▶ Convenient Dipswitch setting: Provides
- ▶ Selectable time frame of no movement - 20, 40, 60 or 90 minutes.
- ▶ Fast, Simple Installation: Fits in a standard wall installation.
- ▶ Adjustable Horizontal Field of View (PIR): May be adjusted using swivel bracket.

Models and ordering information:

Model: **C121-U**
Operates on Batteries.

Model: **C121-U-12-DC**
Infrared Motion detector and air condition control operates from 12 Volts power supply.



Specifications:

- ▶ Detection Method Dual element PIR Detector.
- ▶ Detection Range up to 6 meters and 150 angel degree (room size 8m x 8m).
- ▶ Mounting Ceiling or Wall.
- ▶ Operation Voltage – 3 Volts – 2 Alkaline batteries size AAA.
- ▶ Infra Red protocol – Most major air condition brands.
- ▶ Infra Red protocol – Universal – Study special protocols.
- ▶ Relative Humidity - 10% - 90% RH.
- ▶ Non Flammable plastic enclosure - ABS – HB.
- ▶ Detector Dimensions – 108 x 52 x 44 mm.
- ▶ Operates on 2 AAA batteries with low battery indication.
- ▶ Optional: 12 Volts DC power supply.



AIR CONDITION ENERGY SAVING MOTION DETECTOR C121U

1. OPENING THE DETECTOR

Unscrew the screw at the bottom of the detector.

2. DETECTION and COVERAGE PATTERNS

The detector covers the room area and transmit the OFF and ON commands to the air condition according to the drawing.

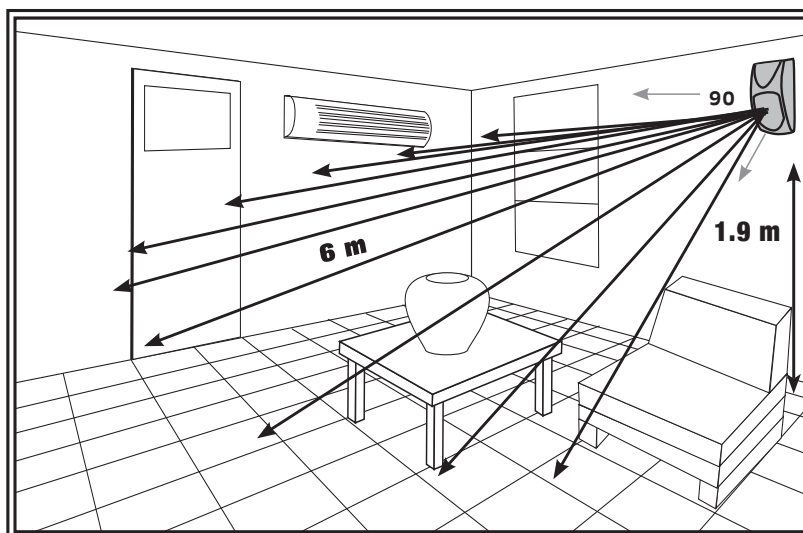


Fig. 1

3. SETTING UP THE DETECTOR

Dip Sw #	Function
1	Enable Air condition Turn On function ON=Enable OFF=Disable
2 - 3	Time from last motion to sending Off command
4 - 7	Air condition type

4. Selecting OFF or OFF/ON commands

Select between OFF command (turn OFF the air condition only) or turn OFF and ON the air condition.

Use Dip Sw. #1/SW1 for this selection.

Dip Sw. #1/SW1 = OFF – Off command only. (Turn ON the Air Cond using the handheld remote control unit).

Dip Sw. #1/SW1 = ON – Off and ON commands are active.

5. Time frame setting

Select the time frame between the last movement at the room till an OFF command will be send to the unit. Time frame factory setting is 40 minutes

Change the time frame according to the table:

	Dip #1/SW2	Dip #1/SW3
20 minutes	OFF	OFF
40 minutes	OFF	ON
60 minutes	ON	OFF
90 minutes	ON	ON

After changing any of the Dip Switches, power must be turned off for 10 seconds.

Notes:

At night, as less movement happens, it may that the air condition will turn OFF.