

C301 + C121

AIR CONDITION AND LIGHT ENERGY SAVING MOTION DETECTOR SERIES



- ▶ **ENERGY SAVING BY TURNING OFF THE AIR CONDITION UNITS AND THE LIGHTS.**
 - ▶ **WORKS WITH DRY CONTACT CONTROL INPUT TO AIR CONDITION UNITS (BMS).**
 - ▶ **WORKS WITH SPLIT AND FAN COIL AIR CONDITION UNITS, BASED ON INFRA RED COMMAND SIGNALS USING DEDICATED AIR CONDITION PROTOCOLS.**
 - ▶ **OPERATES DIRECT FROM 230 VOLTS AC – 1 PHASE**
- ▶ Senses motion of human beings in the room at a distance of up to 6 meters.
 - ▶ Convenient Dipswitch setting Push-Button which 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 between 0 and 150 of arc by using integral swivel bracket.

SPECIFICATIONS:

Power Supply	230 VAC Line voltage operation. 50/60 HZ.
Power consumption	5 VA.
Control board Dimensions (LWD)	80 mm x 98 mm x 35 mm.
Control box CI dimensions [stand alone installation] (LWD)	154 mm x 114 mm x 70 mm.
Detector Dimensions	90.2 mm x 61 mm x 37.5 mm.
Operating temperature	0°C /32°F to 70°C /158°F.
Storage temperature	-18°C / 0°F to 70°C / 158°F
Humidity, Non – Condensation.	
Relays Rating	16 AMPS, 250 VAC.
Detection Method	Dual element PIR Detector.
Detection Range	up to 6 m.
Mounting on Ceiling or Walls	
Plastic materials	ABS UL94 V5

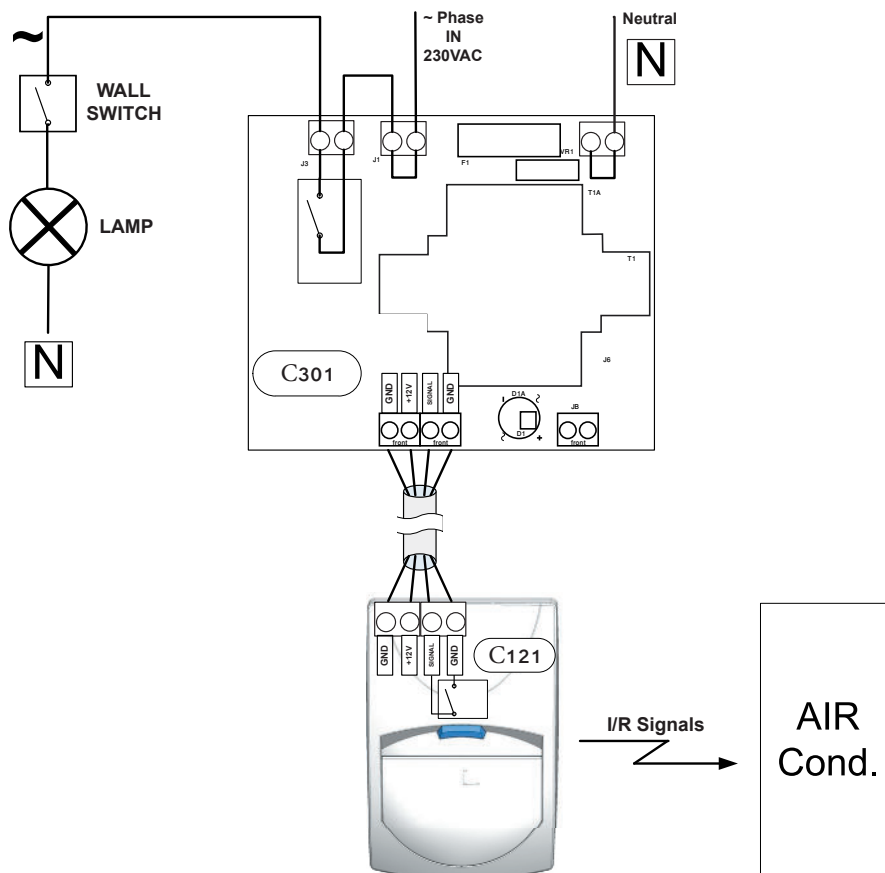
WHEN ORDERING USE THE FOLLOWING PART NUMBER

Model	Description
C301	C301-230V
C121WU	C121-DC-12

Motion Detectors

C301 + C121

AIR CONDITION AND LIGHT ENERGY SAVING MOTION DETECTOR SERIES



Operation logic:

- The C301 operates direct from 230 Volts AC power line.
- The C301 regulate the voltage down to 12 Volts DC which fits the motion detector.
- Inside the C121 motion detector there is a control relay that drives the 16 Amps power relay at the C301 board that drives the Light circuit.

Operation Features:

- Nominal operation voltage 230 Volts.
- Connect the relay contacts in serial to the light switch circuit.
- The contacts must be connected after the light switch.
- Connect the detector using 4 wires cable.
- Install and Set the detector according to the C121-DC-12 IOM.

Installation Requirements:

- Use only Flexible multi – strand cables rated 250 Volts 0.5 mm minimum.
- The C301 installation must be done according to all local electrical codes and be installed by professional electricians.
- Use 4 wires cable between the control board and the Detector (Control cable 20 to 26 AWG).
- Mount the CI box according to the local electrical codes.

Options:

- Use of Dry Contact Relay to the Air Condition input.