

C301MB

AIR CONDITION AND LIGHT ENERGY SAVING MOTION DETECTOR SERIES



- ▶ **ENERGY SAVING BY TURNING OFF THE AIR CONDITION UNITS AND THE LIGHTS.**
 - ▶ **REMOTE COMMUNICATION RS485**
 - ▶ **WORKS WITH DRY CONTACT CONTROL INPUT TO AIR CONDITION UNITS.**
 - ▶ **WORKS WITH SPLIT AND FAN COIL AIR CONDITION.**
 - ▶ **OPERATES DIRECT FROM 230 VOLTS AC – 1 PHASE.**
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- ▶ Senses movement of human beings in the room at a distance of up to 6 meters.
 - ▶ Convenient Dipswitch setting which Provides Selectable time frame of no movement - 5, 20, 40 or 60 minutes.
 - ▶ Fast, Simple Installation.
 - ▶ Adjustable Horizontal Field of View (PIR): May be adjusted between 0 and 150 of arc by using integral swivel bracket.
 - ▶ Up to 3 detectors can be connected
 - ▶ 2 Relays available

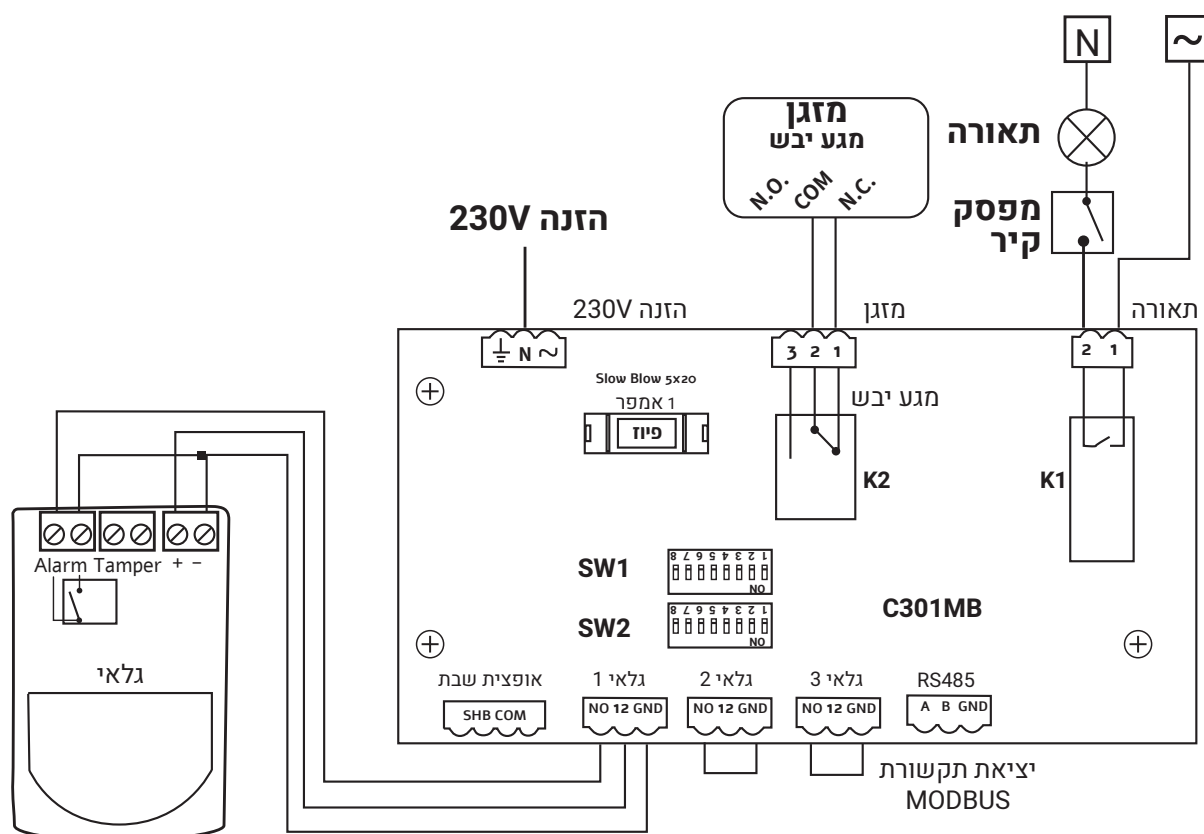
SPECIFICATIONS:

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| Power Supply | 230 VAC Line voltage operation. 50/60 HZ. |
| Power consumption | 5 VA. |
| Control box CI dimensions [stand alone installation] (LWD) | 190 mm x 150 mm x 80 mm. |
| Operating temperature | 0°C /32°F to 70°C /158°F. |
| Storage temperature | -18°C / 0°F to 70°C / 158°F |
| Relays Rating | 2x16 AMPS, 250 VAC |
| Detection Method | Dual element PIR Detector. Optional doppler. |
| 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 |
|--------|----------------------|
| C301MB | C301MB |
| C121WA | WALL MOUNT SENSOR |
| C121CL | CEILING MOUNT SENSOR |

AIR CONDITION AND LIGHT



Operation logic:

- The C301MB operates direct from 230 Volts AC power line.
- The C301MB regulate the voltage down to 12 Volts DC which fits the motion detector.
- 3 motion detectors can be used for big rooms.

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 C121WA or C121 CL IOM.

Installation Requirements:

- Use only Flexible multi – strand cables rated 250 Volts 0.5 mm minimum.
- The C301MB 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.
- Communication cable must be Twisted Pair Shielded, Minimum 22 AWG.