

# DG/DMP55+/65+

Installation Manual V1.0

Digital Motion Detectors  
Dual/Quad Element



## General Description

Thank you for choosing the DG55+/DG65+ indoor high-performance PIR motion detector for your protection needs. The DG/DMP55+/65+ offers superior protection for areas up to 12m x 12m (40ft x 40ft). If you have any comments, please write to us at [Paradox.com/products/feedback](http://Paradox.com/products/feedback).

## Installation

- 1) Remove the cover (Figure 1).
- 2) Loosen the PCB screw and remove the PCB (Figure 2 (3)).
- 3) Drill or punch out the selected knockout holes (Figure 1) and secure the detector back using appropriate mounting screws.

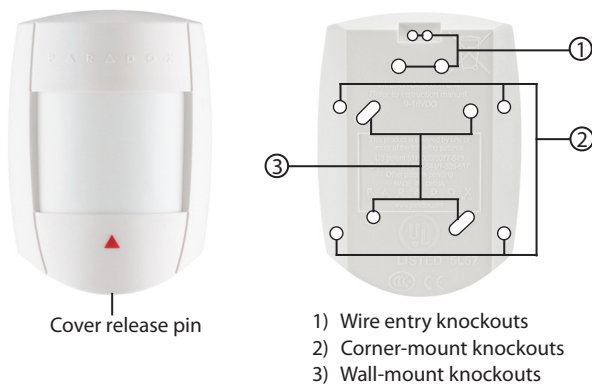


Figure 1

- 4) Replace the PCB and verify that the height settings match the actual installation height (Figure 2).
- 5) Pull the wires through the knockout holes and mount the back cover.

## Detector Settings (Figure 2)

**LED (J1):** Jumper On - LED On; Off - LED Off

**Digital Sensitivity (J2):** Jumper On - Normal Sensitivity;  
Off - High Sensitivity

**Single/Dual (J3):** Jumper On - Single edge; Off - Dual edge

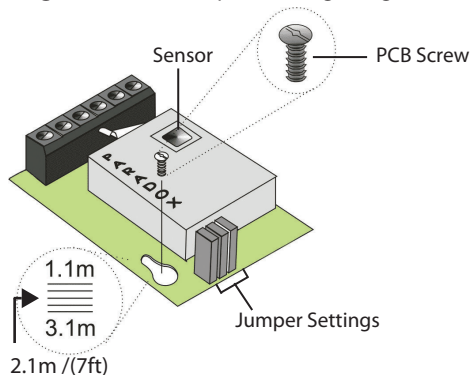


Figure 2

## Powering the Detector

Powering the detector initiates a self-test and the red LED flashes for 5 seconds. When the red LED is no longer flashing, the detector is ready.

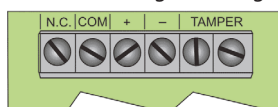
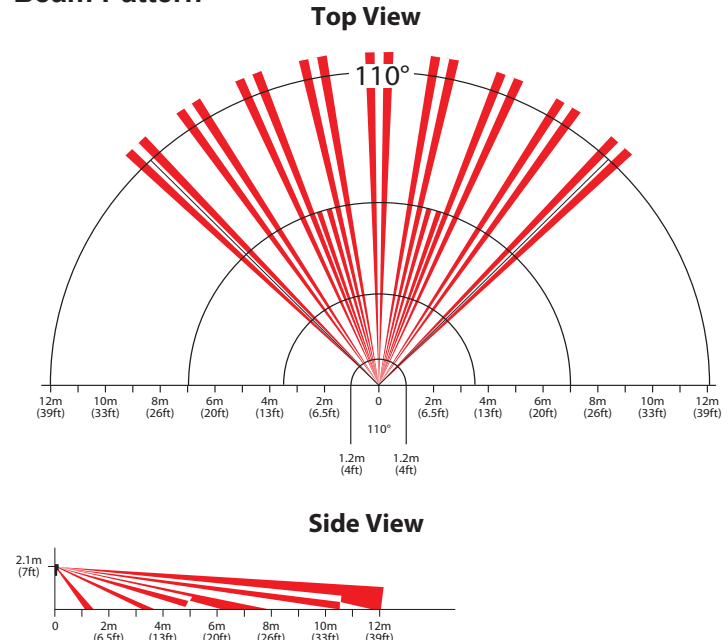


Figure 3

## Walk-Test

In Normal Sensitivity and Single Edge mode, you should be detected after 3 steps at 40 ft (12m). High Sensitivity mode should give you more range.

## Beam Pattern



## LED Feedback

Alarm: Solid red for three seconds

Pre-alarm: Flashing red

Power-up: Flashing red for five seconds

## Technical Specifications

|                          |                                                                                 |
|--------------------------|---------------------------------------------------------------------------------|
| Sensor Type              | DG/DMP55+: Dual Element Infrared<br>DG/DMP65+: Quad Element Infrared            |
| Sensor Geometry          | DG/DMP55+: Rectangular<br>DG/DMP65+: ISG (Interlock)                            |
| Coverage 110° (standard) | 12m (40ft) X 12m (40ft)                                                         |
| Installation Height      | 2.1m to 2.7m (7ft to 9ft)                                                       |
| RFI / EMI rejection      | 10V/m rejection from 10MHz to 2.7GHz                                            |
| Voltage input            | 9 to 16Vdc                                                                      |
| Current consumption      | 15mA max. / 6mA min. (LED disabled)                                             |
| Anti-tamper switch       | 150mA / 28Vdc, N.C.                                                             |
| Lens                     | 2nd generation Fresnel lens, LODIFF®, segments                                  |
| Alarm output             | DG55+/DG65+ = Form A relay 100mA/28Vdc, N.C.<br>DMP55+/65+ = EVO bus connection |
| Detection speed          | 0.2m/s to 3.5m/s (0.6ft/s to 11.5ft/s) Ingress                                  |
| Operating temperature    | -20°C to + 50°C (-4°F to +122°F)                                                |
| Environmental Standards  | Complies with EN 50131 Security Grade 2 / Environmental Class I                 |

## Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement found on the website [www.paradox.com/terms](http://www.paradox.com/terms) or contact your local distributor. © 2015 Paradox Ltd. All rights reserved. Specifications may change without prior notice.

## Patents

One or more of the following US patents may apply: 7046142, 6215399, 6111256, 6104319, 5920259, 5886632, 5721542, 5287111, and RE39406 and other pending patents may apply. Canadian and international patents may also apply. LODIFF® lens: patent #4,787,722 (U.S.). Canadian and International patents may also apply. LODIFF® a registered trademark of Fresnel Technologies Inc.

