

## Setup & recommendations

In order to set up the D-tect 2 luminaire you must take into consideration the following elements;

- Only use GE lamps with D-tect 2 or D-tect 2 and iLite units.

### Time control:

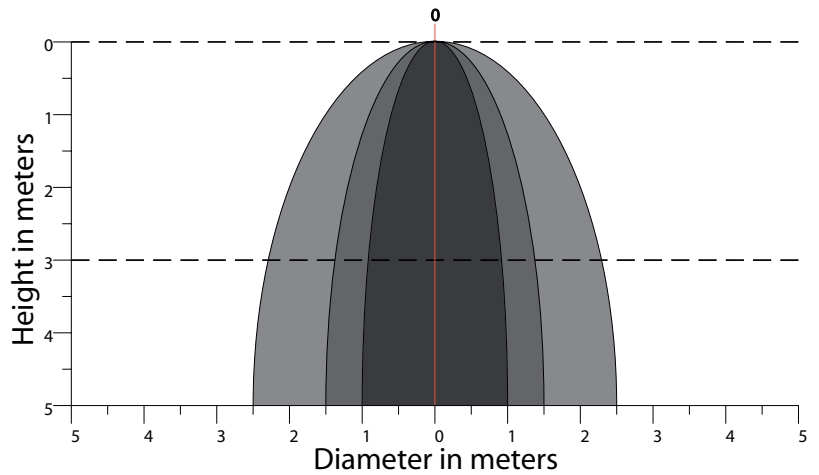
- We recommend in busy areas that setting 4 (25min) is used. This prevents premature lamp failure.
- If the D-tect 2 is used in an emergency fitting we recommend that this is on setting 5 (25 min).

### LUX levels:

- The following settings are recommended for typical areas.
  - Stairs: setting 2
  - Corridor: setting 2
  - Storeroom: setting 2
  - Toilets: setting 2

### Detection area:

- **Important please note:** the higher you set the sensitivity range the more sensitive to movement the sensor becomes. Please take into consideration thin walls, doors and glazed areas when setting the dipswitches.
- At an average mounting height of 2.5 meters on its highest setting (setting 1), the D-tect 2 will have a diameter of 7 meters (see pic 1)
- The recommended set up for the D-tect 2 is setting 1 (4m/100 %). Please note that the D-tect 2 may still detect motion through thin walls and glass partitions
- When wall mounting a D-tect 2 luminaire altering the detection area will reduce the diameter, narrowing the beam. This will not shorten the detection length which will remain at 5 meters.



- Setting 1 = 2.5 meters
- Setting 2 = 1.5 meters
- Setting 3 = 1 meter

(Pic 1) Detection area

## Troubleshooting

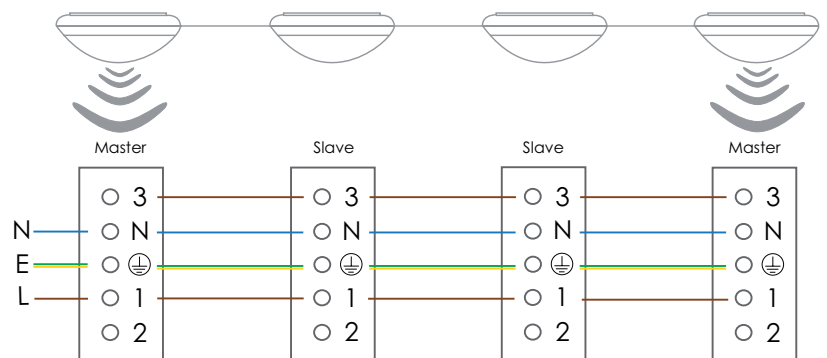
### Luminaire is always on

- Continuous movement in detection area: Check detection area setting

### Luminaire is on with out identifiable movement

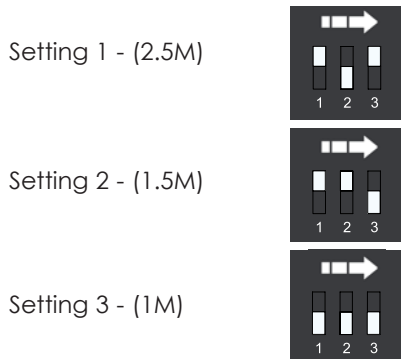
- Luminaire is not mounted securely: check the luminaire is mounted securely to its surface
- D-tect 2 sensitivity is set to high (movement behind wall glass or of a small object): Check the D-tect 2 detection area settings

## Wiring diagram: occupancy control (masters & Slaves)



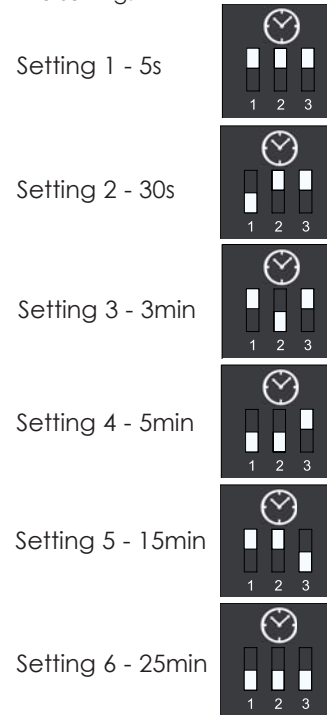
## Switch 1: Detection area

The D-tect 2 units detection area can be customised by altering the combination of the DIP switches as listed below. This gives it a range from 1-4 meter radius.



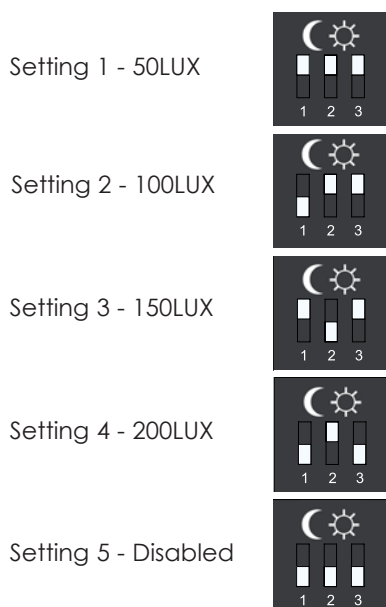
## Switch 2: Time control

The D-tect 2 time control allows the user to predefine the amount of time (from 5 seconds up to 25 minutes) the area will be lit at its full brightness after the D-tect 2 has detected them. If the unit detects another presence during this time the count down will reset to the predefined time setting.



## Switch 3: LUX control / Daylight sensor

The D-tect 2 units LUX control / Daylight sensor can be customised giving the user the option to set a LUX limit so that when it is exceeded the light will remain off even when movement is detected, and will only come on when light levels fall below the LUX limit.



## Technical data

|                      |   |
|----------------------|---|
| Operating voltage:   | 220v - 240v +/- 10%, 50/60Hz                                |
| Switch power:        | 400va (inductive load), 800w (resistive load)               |
| Standby power:       | <1w   |
| Detection area:      | 1m/1.5m/2.5m/3.75m/4m, radius (set on dip switch)           |
| Time control:        | 5s / 30s / 3min / 5min / 15min / 20min, (set on dip switch) |
| LUX control:         | 50 - 200 LUX daylight/twilight/darkness (set on dip switch) |
| Sensor type:         | Microwave motion detector                                   |
| Microwave frequency: | 5.8GH/z +/- 75MHz   |
| Mircowave power:     | <1mw  |
| Detection range:     | 8m diameter max (at a 5m height)                            |
| Detection angle:     | 360° horizontal / 150° vertical                             |
| Motion sensitivity:  | 1 - 20km/h  |
| Mounting height:     | 2.5 - 5m max  |
| Operating temp:      | 0°C ~ +50°C   |
| IP rating:           | IP 20   |