These instructions are for the Déluce Lighting LED Half Lantern:
DLHL7B, DLHL7B/S

INTRODUCTION
This Wall Lantern incorporates either a Standard (no sensor) or PIR / Photocell Sensor.

Safety
• Before installation or maintenance, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or the circuit breaker is turned off.

• It is recommended that a qualified electrician is consulted or used for the installation of this luminaire and installed to the current edition of the IEE wiring regulations.

• Check that the total load on the circuit with this luminaire does not exceed the rating of the circuit, cable, fuse or circuit breaker.

Ratings
• This luminaire is of Class II construction - Double insulated.
• IP44 rated.
• F marked, suitable for installation on to normal flammable surfaces.
• 230V~50Hz AC rated.

Installation
• Loosen the 2 screws in the front of the Lantern and remove the inset back mounting plate from the luminaire.

• Position and mark the 2 fixing holes (you may have to pierce them through) of inset back mounting plate to a suitable solid surface, drill the marked holes and fit a suitable wall/surface plug (supplied).

• Feed the supply cable through the back of the inset back mounting plate, using the grommet supplied (Fig 1).

• Remove the terminal block cover, and feed the supply cable through the grommet on the terminal block.

• Attach the supply cable to the terminal block on the inner diffuser mounting case (Fig 1).

• Check that all connections are correct and tight as any errors may damage the lamp or cause a fire hazard.

• Re-fit the terminal block cover

• Re-fit the front of the lantern back on to the inset back mounting plate.

• Tighten the 2 screws, the luminaire is now ready for use.

GUARANTEE
This product is guaranteed in the EU for a period of 1 year from the date of purchase. The guarantee is invalid in the case of improper use, installation, tampering, removal of the QC date label, installation in an improper working environment or installation not according to the current edition of the IEE Wiring Regulations (BS 7671). Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. Déluce Lighting does not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. Déluce Lighting reserves the right to alter specifications without prior notice.
LED Half Lantern PIR Instructions

PIR Version
The PIR version continuously scans a preset operating zone or area and immediately switches the lamp on automatically when movement is detected, when no movement is detected the lamp switches off. If movement is constant within the range of the PIR the lamp will stay on. The PIR option makes it ideal for pathways, steps, patios, porches etc where security or convenient lighting is required.

INSTALLATION INSTRUCTIONS
- To achieve the best results from your Half Lantern we suggest you take into account the following points before you fit the unit.
- Do not aim the PIR towards reflective surfaces, such as, smooth white walls, swimming pools etc. The PIR sensor scanning specifications (approximately 1.2 metres at approximately 110° - Horizontal, see Fig 3) may vary slightly, depending on the mounting height and location.
- The detection range of the unit may also alter with temperature changes. Before selecting a place to install your PIR Half Lantern, you should note that movement across the scan area is more effective than movement directly towards or away from the PIR sensor (see Fig 4). If movement is made walking directly towards or away from the PIR sensor and not across, the PIR detection range will be substantially reduced (see Fig 5).
- Ideally the Half Lantern should be mounted 1.8 to 2.5 metres (6 to 8 feet) above the area to be scanned (see Fig 2).
- Do not aim the PIR towards reflective surfaces, such as, smooth white walls, swimming pools etc. The PIR sensor scanning specifications (approximately 1.2 metres at approximately 110° - Horizontal, see Fig 3) may vary slightly, depending on the mounting height and location.
- The detection range of the unit may also alter with temperature changes. Before selecting a place to install your PIR Half Lantern, you should note that movement across the scan area is more effective than movement directly towards or away from the PIR sensor (see Fig 4). If movement is made walking directly towards or away from the PIR sensor and not across, the PIR detection range will be substantially reduced (see Fig 5).
- To avoid dust build up and to ensure the correct function of the Half Lantern, wipe the sensor lens lightly with a damp cloth every 3 months. But never modify the unit, there are no user serviceable parts inside.
- Before touching the Half Lantern, please switch off all power to the unit and let it cool completely.

Important Cleaning/Maintenance Information:
1. Turn Lux control to the daylight position while someone walks across the centre of the area to be scanned. Note: If the light is required to switch on earlier, e.g. Dusk, wait for the desired environmental light level, then slowly turn the LUX control towards the daylight position while someone walks across the centre of the area to be detected. When the light switches on, release the Lux control. You may need to make further adjustments for your ideal light level setting.
2. To avoid dust build up and to ensure the correct function of the Half Lantern, wipe the sensor lens lightly with a damp cloth every 3 months. But never modify the unit, there are no user serviceable parts inside.
3. Before touching the Half Lantern, please switch off all power to the unit and let it cool completely.

Adjusting the Lux Control Level:
The Lux control module has a built-in sensing device (photocell) that detects daylight and darkness. The position denotes that the Half Lantern can work during the day and at night the position means it will only work at night. You can set to operate the unit at the desired level by adjusting the Lux control.

SETTING THE CONTROLS
1. Turn the LUX control to the daylight position, turn the Half Lantern on and wait a minute for the control circuit to stabilize. At this stage ensure that the TIME control is set at the minimum duration time - position. The Half Lantern will now switch on and remain on for approximately 30 seconds (within 60 seconds).
2. Direct the sensor toward the desired area to be scanned by adjusting the PIR sensor.
3. Have another person move across the centre of the area to be scanned and slowly adjust the PIR sensor until the unit detects the presence of the moving person, causing the light to switch on (see Fig 3).
4. Adjust the time control to the required setting.
5. To set the LUX level at which the light will automatically switch ON at night, please turn the LUX control from the daylight position to night. If the light is required to switch on earlier, e.g. Dusk, wait for the desired environmental light level, then slowly turn the LUX control towards the daylight position while someone walks across the centre of the area to be detected. When the light switches on, release the Lux control. You may need to make further adjustments for your ideal light level setting.

UNDERSTANDING THE CONTROLS (PIR) (refer to Fig 6)
Adjusting the Duration Time: The length of time the Half Lantern remains on once activated can be adjusted from 5 Seconds to 5 Minutes. Rotating the TIME control from + to - will alter the duration time.

Note: Once the light has been triggered by the PIR sensor any subsequent detection will start the time period again from the beginning

Troubleshooting and User Hints

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Suggested Remedy</th>
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<tbody>
<tr>
<td>Light does not switch on when there is movement in the detection area.</td>
<td>1. No mains Voltage.</td>
<td>Check all connections and fuses/switches.</td>
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<tr>
<td>2. Nearby lighting is too bright.</td>
<td>Relocate the unit.</td>
<td></td>
</tr>
<tr>
<td>Lamp switches off for no apparent reason (false trigger).</td>
<td>1. Heat sources such as air-con, vents, heater flues, barbecues, other outside lighting, moving cars and flue vents.</td>
<td>Move away from heat sources.</td>
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<tr>
<td>2. Animals/birds eg; dogs, foxes, cats etc.</td>
<td>Relocating the unit may help.</td>
<td></td>
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<tr>
<td>3. Interference from on/off switching of electric fans or lights on the same circuit as your Half Lantern.</td>
<td>Should the false triggering become troublesome, consider:</td>
<td>a. Replacing a faulty switch</td>
</tr>
<tr>
<td>b. Replacing noisy fluorescent tubes and/or starters.</td>
<td>c. Connecting the Half Lantern to a separate circuit.</td>
<td></td>
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<td>4. Reflection from swimming pool or reflective surface.</td>
<td>In most cases where one or more of the above suggestions has been carried out, false triggering has been reduced.</td>
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<tr>
<td>Light remains on.</td>
<td>1. Continuously false triggering.</td>
<td>Relocating the unit may help.</td>
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<tr>
<td>2. Time is set too long.</td>
<td>Reduce time.</td>
<td></td>
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<tr>
<td>Light switches on during daylight hours.</td>
<td>Lux control is set to daylight position.</td>
<td>Turn Lux control to desired light level setting</td>
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<tr>
<td>When fitting in daylight the detection distance becomes shorter</td>
<td>Interference by Sunlight.</td>
<td>Re-test at night</td>
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DEL0464c/Apr_2015(issue_2) - page 2 of 2