

Installation Instructions For Ledelite Pro 35

For trouble free operation of this unit and so as not to invalidate the manufacturer's warranty, the following installation and design guidelines must be followed.

IMPORTANT: This unit must be installed by a competent person

LED Light Fittings Installation

Only fit LEP35 type LED lights to the Ledelite Pro 35 control unit (LEP35/CU)

All LEP35/3C (Cool) or LEP35/3W (Warm) LED lights are the same and can all be used in both Main or Emergency positions.

A **maximum of 8** LEP35 LED lights may be fitted to the Ledelite Pro 35 control unit, which accepts **1** to the Emergency Output and the remainder (**up to a maximum of 7**) to the Main Outputs.

7 Main + 1 Emergency = 8 Total

Warning

The LED light fitting disperses heat generated by the unit through the heat sink located on the back of the fitting. For this reason, the heat sink on the fitting must not be installed in an enclosed area and must always be ventilated. Please note that the ambient temperature surrounding the heat sink on the light fitting must not exceed 25 degrees centigrade.

The LED control unit should be installed in an area that is accessible for servicing. It must not be located where the general public might have access. As this product is an electrical item, it must never be installed in an area which is damp or subject to water. **This product is not ingress protected.**

Important!

For safety reasons the unit is dispatched with the battery disconnected, wrapped and immobilised to protect the unit during transit. During installation the battery must be connected observing **correct polarity** and charged for a minimum period of 3 hours before use.

When in storage or not currently in use, the battery leads should be disconnected. If the unit has to be dispatched for any reason, always ensure that the battery is disconnected wrapped & immobilized.

Operation

During normal operation (mains present), **all LED lights will remain on.**

During emergency operation, (mains fail) **all LED lights connected to the Main Output will go off, while the LED light connected to the Emergency Output will remain on, and at full brightness for a minimum of 3 hours.**

On mains restoration, all the main LED lights will come back on and the battery will re-charge.

The status of the Ledelite Pro 35 unit is shown by the LED indicator (see lid label of control unit, or the fault finding section below). If required, an optional Remote Diagnostic LED (order code: **-LEP35/RDI**) with a 2m pre-wired lead) is available.

Testing

LEDelite Pro employs a fully automatic test that takes place ONCE a day. In addition the following **MANUAL** test is available as outlined below.

- (1) Integral emergency test switch on the front of the case
- (2) Remote emergency test switch. PEW offer a remote emergency test lead, consisting of a 2m pre-wired remote lead for remote emergency testing (the test switch is not included). Order Code: **LEP35/RTL**







Manually test the system by momentarily pressing the emergency test button, or operating the remote test switch. **This initiates a 10 second test, the status and results of which are indicated by diagnostic LED & CAR lighting flashes**

1. The start of the test is indicated by **ALL the lights being switched off for 2 seconds**, the battery is then connected to the emergency light.
2. During the test, **ALL the lights (emergency & normal) are switched on for 10 seconds**, allowing the system to check the condition of the battery during which time the **diagnostic LED flashes GREEN rapidly**.
3. If the test is successful, **ALL the lights are switched off for 2 seconds, the system restored to normal and ALL the lights switched back on**

Any fault is indicated at the end of the test by a series of 2 second flashes and also by the diagnostic LED

- 2 x flashes = battery low (< 11.5 volts)
- 3 x flashes = battery fault (< 10.7 volts)

Fault Finding - Description Of Diagnostic LED Codes

	Normal	<i>(continuous)</i>
	Battery Test	<i>(fast flashing)</i>
	Charging	<i>(slow flashing)</i>
	Battery Fault	<i>(continuous)</i>
	Power Unit Fault	<i>(fast flashing)</i>
	Power Fail /Discharging	<i>(Alternating)</i>

LED indicator is constantly **Green** - Operating correctly and the battery is fully charged.

LED indicator is flashing **Green** - Operating correctly and the battery is charging normally.

LED indicator is flashing **Red & Green** - Power Fail, unit is discharging. Check mains power to unit, if mains power to unit is OK, then contact PEW for assistance.

LED Indicator Constant **Red** - Battery has low charge, so charge the unit for minimum period of 4 hours. If the LED remains **Red** after a 4 hour charge, then disconnect and replace battery.

LED Indicator Flashing **Red** – Supply Fault, indicating power unit problem. Contact PEW for assistance.

Power Save Facility

A remote '**Powersave**' facility that enables the LED lights to be turned off when the lift car is on standby, is now available.

Two detection systems are available:

1. Order Code: **LWK01** (Henning Light Watcher Kit). You will also require order code: **LED/PSL1**, which is the lead connecting the LWK01 device to the control box. The **LED/PSL1** lead plugs into the plug position labelled '**Powersave**' and the Red & Blue wires at the other end are connected to the COM & NC contacts positioned on the top right hand side of the Henning unit
2. Order Code: **LEP35/PSM1** (Power Save Module). This unit plugs straight into the plug position labelled '**Powersave**' on the control box.

'LED Disable Lead' Facility

An '**LED Disable Lead**' facility (enabling the LED lights to be turned off completely) is also available:

Order Code: **LED/DS1**, (switch contact version) is a 'disabling' lead, which is plugged into the plug position labelled '**LEDs Off**' with the Red & Blue wires at the other connected to a user contact, ie. key switch in the lift car. This switch applies a short circuit when operated, switching the LED lighting off.

There is also a mains switching option, **LED/DS2**, which performs the same function.

Important! - If your unit is within its warranty period and a fault occurs, please contact PEW immediately before proceeding. Unauthorised tampering with your unit may invalidate its warranty.

For technical help with this product please contact the PEW sales team on 0870 600 6503

Technical notes: Please note that when disconnecting the mains power to the unit for a period of 30 minutes or more, the batteries on the unit must be disconnected until the mains power is restored to the unit.

Product guarantee: This product is guaranteed for a period of 1 year from date of purchase. This does not include the batteries fitted in the unit, which are guaranteed for a period of 6 months.

The above guarantee will be invalid if the unit is not installed as per the installation instructions accompanying this unit, or is modified in any way without the manufacturer's written consent. If the unit is removed and returned without the permission of the manufacturer, this will also invalidate the product guarantee.

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