

# Installation & Wiring Instructions

## HBE LED STR - Suspension Exit Sign

### For use with Reacta-Link Wireless System

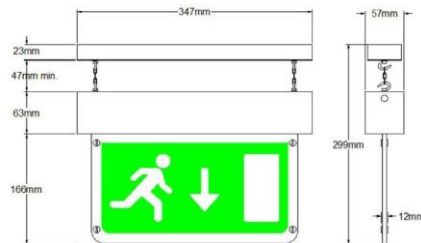
**PLEASE READ** THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

## Description:

A modern Suspension Mounting LED Exit Sign, designed to operate with Dextra Group's Reacta-Link wireless system. This exit sign is suitable for both maintained and non-maintained applications. It is supplied with a heavy duty polished legend blade and a set of interchangeable legend panels offering an impressive 27m viewing distance. The units are supplied in white (RAL9016).

The product will test itself in accordance with the requirements of the British Standards, reporting any faults via a bi-colour charge LED.

This unit will recharge the batteries after the test clause of 22.3 of BS EN 61347-2-7:2012.



## Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Power Rating Maintained	9.3W 64mA - $\lambda = 0.62$
Power Rating Non-Maintained	4.7W 23mA $\lambda = 0.86$
Ambient Temp.	0°C to + 35°C
Max Case Temperature	50°C
Max Battery Temperature	55°C
Mains Input Terminal	0.5mm - 2.5mm
Battery Fuse	Internal to Control Gear
Battery Discharge Current	1000mA
Discharge Voltage Limit	8.0V
Ingress Protection	IP20
Battery Pack	9.6V 1.5Ah LiFePO <sub>4</sub>
Charge Current	0-150mA Float
Recharge Period	24 Hours
Width and Length	347mm 57mm
Depth from Ceiling	165mm
Side Cable Entry	20mm Knock Outs L&R
Rear Cable Entry	20mm Knock Out Centre
Overall Weight (maintained)	2.4Kg

## Product codes

HBE LED STR

Maintained 3 hour

## Important

It is recommended that this product is installed by a competent person ensuring the installation complies with the necessary standards. Dextra Group accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

The product requires an un-switched supply for charging the battery and a switched supply for maintained operation.

**ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.**

### Installation:

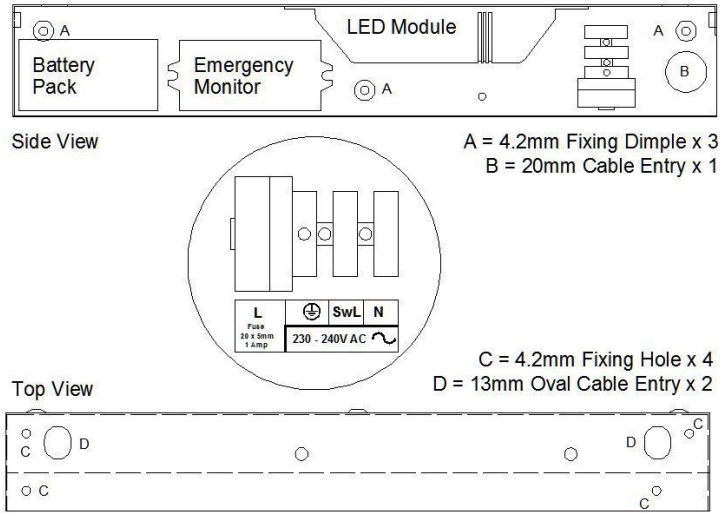
1. Fix the Ceiling Box into its desired location.
2. Remove the two side screws of the Blade Box and remove metal cover.
3. Fit the two chains to the hooks of the ceiling box and to the back box of the suspended element.
4. Bring your cables into the back box gear tray.
3. Connect your mains, permanent supply, switched supply, neutral and earth to the fused terminal block which is clearly labelled.
5. For non-maintained operation, do not connect to the switched live terminal.
6. Connect the battery.
7. Refit the cover back into position ensuring no cables are trapped.
8. Fit the screws back into each side of the cover, ensuring that the legend panel is in place.
11. Fit the desired legend vinyls to the legend panel and fit the four fixing bolts in each corner.



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Typical Wiring  
Diagram



**Testing/Commissioning:**

- Ensure the power is connected.
- Connect the battery.
- Switch on the Un-switched Supply - Check the Charge LED illuminates.
- Switch off the Un-switched Supply - Check the Charge LED extinguishes and the load LED illuminates.
- Enter the commissioning date on the Battery Pack.
- Switch on the Un-Switched Supply
- Ensure that the RF Node is commissioned onto the system by a Reacta-Link qualified engineer.

Luminaire Ref/Location			In case of difficulty, contact the Installation Engineers:-							
			Tel: .....							
Full Recharge Time 24 Hours			Duration 3 Hours			Lamp Type - LED				
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										

