

## ARLINGTON PRO (ISO LEGEND) DROP BLADE LED SELF-TEST EXIT SIGN LUMINAIRE INSTRUCTIONS

### Issue 01 18<sup>th</sup> February 2021

**THANK YOU** for buying this product. To help ensure it gives complete satisfaction please install it according to these instructions and then pass the instructions to the appropriate person for retention and future reference.

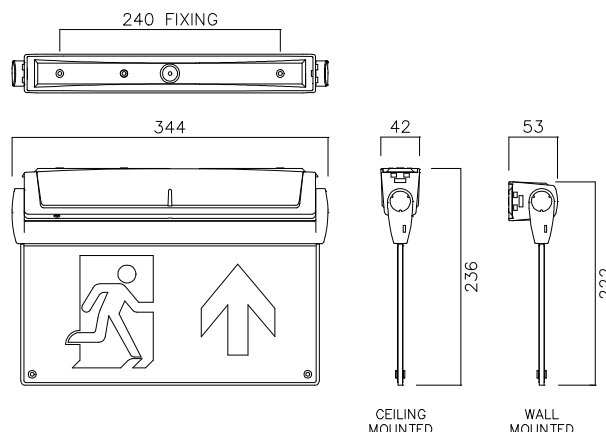
**SAFETY** This is a mains powered product. It is designed to be installed by suitably qualified personnel only and in accordance with the applicable building and electrical regulations. Before installation or maintenance the electrical supply to the product must be isolated.



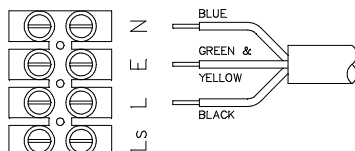
**INSTALLATION SUPPORT** If installation advice or accessories are required please contact us at the above address. We will do our best to help. When reporting a suspected fault or seeking installation support the problem is likely to be resolved most quickly if you have full product details to-hand, as well as details of when and where it was purchased.

### LUMINAIRE INSTALLATION (CEILING OR WALL)

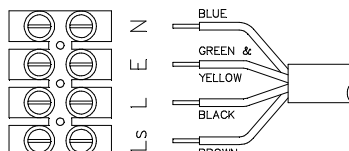
- Decide if mounting on ceiling or wall. If:  
**Ceiling** then leave main body of fitting in current position  
**Wall** the rotate the main body 90 degree (see diagram)
- Undo the small screw located on one end of the fitting body.
- Use a small flat head screwdriver (in identified position) to lever the base plate away from the main fitting body.
- Prepare the fixing surface (ceiling or wall) at the fixing centres shown in the diagram & provide a central mains supply cable.
- Drill open the central cable entry point on the base plate.
- Pass the mains supply cable through the cable entry hole in the fixing base plate, offer the base plate up to the fixing surface & secure. Ensure the fixing method is capable of holding the weight of the luminaire. Screws & rawl plugs are provided.
- Route the mains supply cable to the terminal block in the base plate & terminate, ensuring correct polarity is observed. A cable clamp is provided to restrain the cable.



FOR NON-MAINTAINED OPERATION



FOR MAINTAINED OPERATION (SWITCHABLE)



**NOTE! THIS LUMINAIRE MUST BE EARTHED** **NOTE! THIS LUMINAIRE NEEDS A PERMANENT LIVE SUPPLY**

- Connect the battery pack to the 2-pole connector on the main PCB & write the "installed date" in allocated position.
- Offer the main fitting body to the base plate, locate the notch at one end & rotate to fully cover the base plate.
- Secure in position using the small screw.
- Reconnect the power supply & check the green LED charge indicator illuminate.

### ALTERNATIVE LEGEND PANELS (SUPPLIED SEPARATELY)

This product comes as standard with the ISO "Running Man through door" legend. Alternative direction ISO legends & Euro legends are also available from NVC – Please contact your local supplier.

To change legends:

- Carefully pop apart the two clear plastic rivets located towards the bottom corners of the blade. Keep them safe.
- Slide out the current legend panel.
- Slide the top edge of the new legend panel into the head unit. Repeat for both sides.
- Align the holes of the legends with the holes in the blade & secure using the two clear plastic rivets.

### ALTERNATIVE MOUNTING OPTIONS (SUPPLIED SEPARATELY)

As standard this product suits either ceiling or wall mounting. There are further options via alternative mounting accessories available from NVC. This includes:

- Recessed mount kit
- Side wall mount kit
- Wire suspension kit

Please contact your local supplier

### MAINTENANCE

This unit is using Lithium Iron Phosphate cell (LiFeP04) in its battery pack. These batteries require close monitoring and protection circuitry to operate safely. This pack uses a dedicated protection built into the module unit. Ensure like for like batteries are used in any replacement maintenance

## SELF TEST FUNCTION

This product comes with a built in self-test facility. Once given a permanent mains supply, the luminaire will automatically carry out a monthly functional check & an annual full duration test, in line with the testing procedures to BS 5266.

### Initial Test

- After receiving a permanent mains power supply, the luminaire will now charge for 24 hours before carrying out a 3 hour duration test.
- During this test the LED module will illuminate & the green LED indicator will go out.

### Monthly Function Test

- After installation the luminaire will carry out a 30 second function test. This will be selected randomly between day 15 to day 30 after installation so all self-test products do not go into test mode at the same time.
- During this test the LED module will illuminate & the green LED indicator will go out.
- This test will then be repeated every 30 days.

### Annual Duration Test

- After 11 monthly function tests, the luminaire will carry a duration test..
- The test will last 3 hours.
- During this time the LED module will illuminate & the green LED indicator will go out.

## FAULT INDICATORS

If during the self testing a fault is detected, these will be indicated as follows by the RED LED indicator:

- **1 flash every 3 seconds** – Fault with battery. Maybe a battery failure & requires changing, or not connected properly.
- **2 flashes every 3 seconds** – Fault with LED module.
- **3 flashes every 3 seconds** – Duration time not being met so batteries will need to be replaced.

## NOTES

1. After completion of tests listed above the luminaire will repeat the process of 11 monthly function tests & 1 annual duration test.
2. If there was a power outage before any of the tests, the luminaire will delay the test appropriately to ensure a minimum 24 hours charge is received.
3. A fault indicator will continue until the fault is fixed.
4. A reset of the mains supply will be required to get the fault to clear after it has been fixed.

## MANUAL TESTING

As this is a self-test product this is NOT recommended.

A manual test can still be initiated by isolating the permanent live supply (e.g. via a keyswitch) for as long as required to check function/duration BUT choosing to do this extra manual testing over and above the self-testing WILL affect lifetime of the batteries & may result in them not meeting full rated life.

This would void any warranty with NVC.

For this use we would recommend our non-Self Test version of this product.

## TESTING LOG BOOK

Luminaire Type: ..... Luminaire Location/No.: .....

MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FORTH YEAR		FIFTH YEAR	
		Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	DISCHARGE										

Installed By: ..... Installed Date: .....

Contact Details: .....