



Wennington Road, Southport PR9 7TN. England  
Tel: 01704 518000 Fax: 01704 518001  
WEB SITE <http://www.unipartdorman.co.uk>  
E MAIL address – [dorman.info@unipartdorman.co.uk](mailto:dorman.info@unipartdorman.co.uk)

#### Health and safety

Every effort has been made to ensure the accuracy of the information given in our publications, but in accordance with our policy of continually improving our products we reserve the right to modify designs and specifications whenever necessary. All equipment is designed to conform to relevant British and International standards. Every care is taken to ensure that, as far as reasonably practical, it will perform without risk to health. It is essential that accepted codes of professional practice are followed in the assembly, installation and commissioning of the equipment. If in doubt with respect to any of these instructions, please consult Unipart Dorman before installing the device. Unipart Dorman reserves the right to vary any component part to meet the required specifications without prior notice.



Certificate No. FM 14371

Dorman ref. No C64.65012 Iss.3

# SynchroGUIDE (N. America)

---

## User Instructions

---

To be read before commencing  
Operation



## SynchroGUIDE

The SynchroGUIDE has been designed with a tough Polypropylene body and a high impact Polycarbonate lens to provide a robust construction in all extremes of ambient temperature.

The light source is an emitter style high output LED offering superior reliability and is current controlled to maintain a constant light output as the battery voltage drops. All circuitry within the lamps is moisture protected and is "burn in" tested for 24hrs @ 40 degC to ensure product service reliability.

Each lamp may be fitted with two 6-volt ANSI 908/4R25X style batteries.

When the lamps are placed in line they give the impression of a single light source travelling along the lamps from front to back. Each lamp also provides a low intensity steady 'backlight' to aid direction indication.

### Operation

The lamps are switched on by pressing the black button on the lamp front.

The lamps may be switched on and placed in any order as there is no 'master' lamp and the synchronisation process between the lamps is fully automatic. Up to 250 lamps may be placed in a sequence with a typical lamp to lamp spacing of between 20ft and 40ft and a lamp to lamp stagger (i.e. out of straight line offset distance) between 0 and 5ft for optimum sequence cognition.

Where required, the lamps may be spaced at any distance between 7ft and 60ft – the maximum distance may need to be reduced if the sun is shining near horizontally directly onto the lens of the lamp.

**Important Note:** In order for lamps to be self certified as crash compliant, they must be deployed in accordance with FHWA memorandum WZ-54 September 15th 2000, a copy of which is downloadable from our website and the FHWA office of safety website at the following link

[http://safety.fhwa.dot.gov/roadway\\_dept/Policy\\_guide/road\\_hardware/listing\\_workz.cfm?keyword=39&selectman=77&searchval=workzone](http://safety.fhwa.dot.gov/roadway_dept/Policy_guide/road_hardware/listing_workz.cfm?keyword=39&selectman=77&searchval=workzone)

### Safety instructions for LED's



Warning! LED radiation



Do not look into LED beam



Do not view the LED beam directly with optical equipment

The SynchroGuide complies with class 1M of EN 60825-1: 1994

Do not replace a LED with a different type. If damaged the product must be repaired by an authorised agent.

### Specification

**Model**.....Product ref. BAB6N/AW/P/H/A1 supplied with security bolt and key.

**Model**.....Product ref. BAB6N/AW/P/H/L1 supplied without security bolt and key (Nut thread 1/2in UNC).

**Battery** .....2 off 6-volt ANSI 908 / 4R25X style

**Flash Rate**.....60 FPM

**Typical Current**.....48mA

## Replacing batteries

To gain access to the lamp to replace the batteries use the key to remove the thief proof bolt as shown in fig.1 or dismantle the special post fixing bolt from the SynchroGUIDE body as shown in fig.2. (See examples shown below)



Fig. 1



Fig. 2

With the bolt removed or de-assembled from its mounting post or barrier, pull the base away from the lamp. The batteries may now be removed, and replacement batteries inserted as shown in fig.3. As the circuit box has a double battery contact assembly, the need for battery orientation is eliminated when inserting the new batteries.



Fig.3