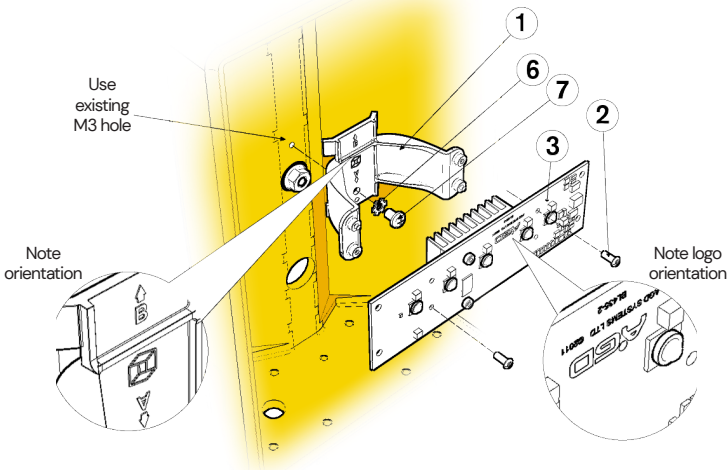
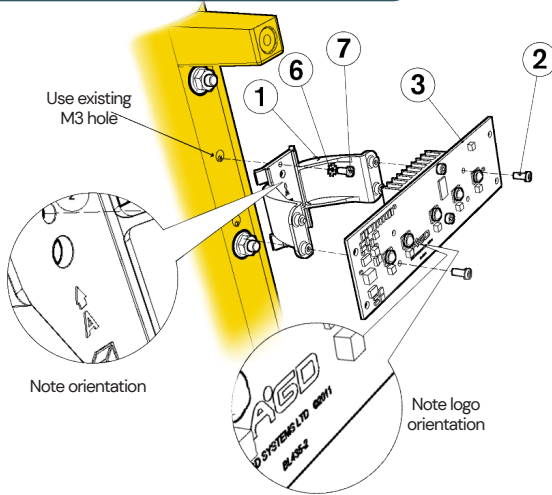


PRODUCT MANUAL

AGD924R

LED Solutions





The bracket (BR-230) and pcb (CB-277/CB-318) are designed to cover a range of bulb housing options. For each of these the orientation of bracket and pcb are very specific as detailed in the diagrams above.

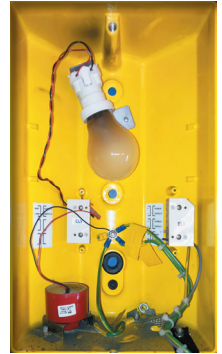
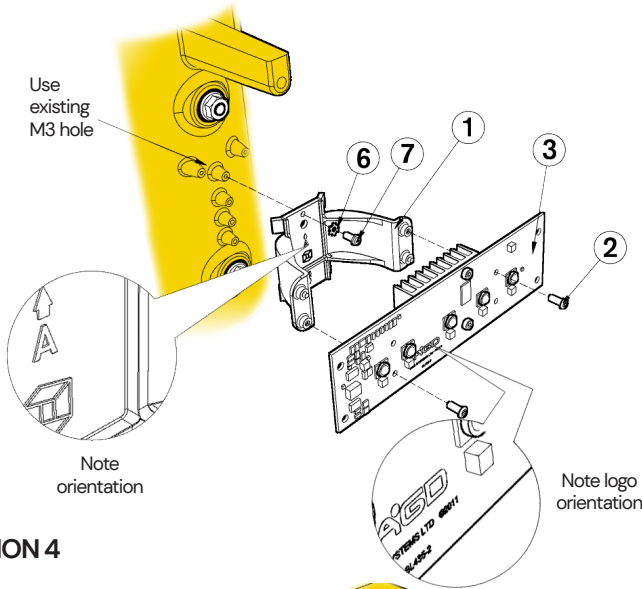
Please note particularly that the bracket has two orientations marked A&B.

1. Identify existing bulb unit as Option 1-4
2. Remove existing lamp configuration and wiring as appropriate
3. Remove the pcb CB-277/CB-318 from the bracket, keeping the screws to one side ensuring no contact is made directly with the LED's

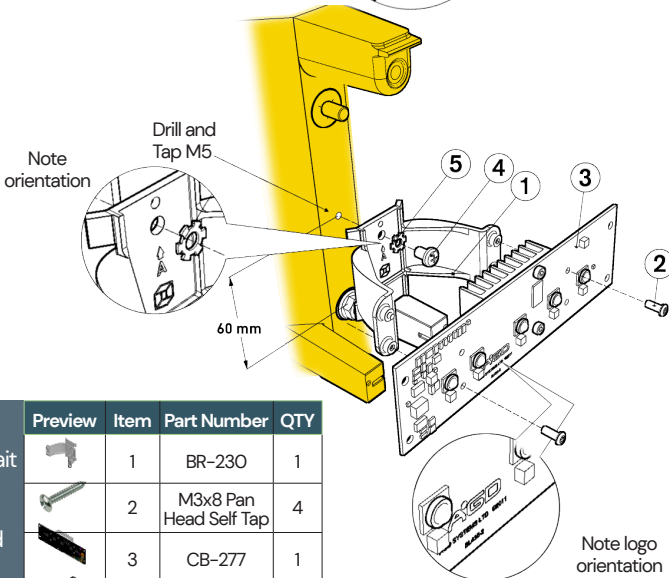
OPTION 3

AGD924

Pedestrian LED Wait Indicator



OPTION 4



The LED wait retro fit kit (SA-146) is designed to replace existing bulb version Waits with a 48Vac low power LED pcb and comprises:

| Preview | Item | Part Number | QTY |
|---------|------|------------------------|-----|
| | 1 | BR-230 | 1 |
| | 2 | M3x8 Pan Head Self Tap | 4 |
| | 3 | CB-277 | 1 |
| | 4 | M5x8 Pan Head | 1 |
| | 5 | M5 Shk Proof | 1 |
| | 6 | M3 Shk Proof | 1 |
| | 7 | M3x6 Pan Head | 1 |

- Using the appropriate screw fixings secure the bracket BR-230 to the rear housing in the position shown
- Refit the pcb to the bracket noting the orientation of the AGD logo on the pcb on the relevant diagram
- Connect wiring per the table below

SAFETY PRECAUTIONS

Important note: Do not touch the surface of the LED's. For maintenance purposes users should take particular care and avoid exposure to the high intensity LED light output. Although the LED's are not laser devices they have a high brightness and thus to ensure maintenance engineer "eye-safety", DO NOT LOOK DIRECTLY INTO THE LEDS when opening the unit or powering the pcb.

The kit is supplied with the pcb reversed on the bracket to protect the LED's whilst in transit.



POWER & WIRING

CB-277 (fitted to AGD924-68X-XXX)

CB-318 (fitted to AGD924-69X-XXX)

| WIRE COLOUR | FUNCTION | Nominal power consumption in bright mode |
|-------------|----------|--|
| Red | 48V ac | |
| Red | 48V ac | 10.2W – 11.2W 48Vac. |

| WIRE COLOUR | FUNCTION | Nominal power consumption in bright mode |
|-------------|----------|--|
| Red | 48V ac | |
| Red | 48V ac | 12.48W – 48Vac. |

The CB-318 consumes a nominally higher current than the CB-277. This is for controllers that require a nominally higher current for monitoring purposes. The CB-318 takes 71% and 25% more power in dim and bright modes.

DISCLAIMER

While we (AGD Systems) endeavour to keep the information in this manual correct at the time of print, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related graphics contained herein for any purpose.

Any reliance you place on such information is therefore strictly at your own risk. In no event will we be liable for any loss or damage including without limitation, indirect or consequential loss or damage, or any loss or damage whatsoever arising from loss of data or profits arising out of, or in connection with, the use of this manual.

Warranty

All AGD products are covered by a 12 month return to factory warranty. Products falling outside this period may be returned to AGD Systems for evaluation, repair, update or re-calibration, any of which may be chargeable.

The product(s) detailed in this manual has a number of light elements constructed from a multiple of Light Emitting Diodes (LEDs). As well as the given power saving advantages, the use of multiple LEDs gives a high design redundancy to help maximise the operational life of the product when compared to traditional bulb based sources.

During manufacture every product is soak-tested and optically tested to ensure full 100% functionality of all the LED sources. Over the operational life of the product, individual LEDs may fail to perform to specification. The design of the product is such that any failure of individual LEDs is minimised to allow the product to continue to operate.

The limits stated below are those for which individual LED failures do not affect the operation or impair the ability of the product to perform its intended function and therefore are not considered a defect under this warranty.

| |
|------------------|
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