



# Illumino Ignis Ltd

LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

## K10012 NON MAINTAINED 8W SELF TEST BULKHEAD

## K10017 MAINTAINED 8W SELF TEST BULKHEAD

### INITIAL SETUP/COMMISSION MODE

On initial powering up of the charge and test LED's will flash together to indicate commission mode. If the unit is not in commission mode you can place it into commission mode by simply pressing the manual test button for 20 seconds and wait for the two LEDs to flash together. This indicates the unit is in commission mode.

### PROGRAM MODE

If the test push button is pressed for more than 20 seconds while the mains supply is connected the auto test circuit goes into clear memory mode.

### CLEAR MEMORY MODE

You can clear the non volatile memory and reset the unit into commission mode by pressing the manual test button for more than 20 seconds while the unit is in either Demo mode, Normal operation (not commission mode or demo mode) or by pressing the manual test button when you apply the mains supply. The reset sequence will reset the unit as if it was new and clear all internal counters and non-volatile memory. This mode is used only when you initially commission the units.

### GENERAL OPERATION

The Auto Test system contains both an automatic commission program and a automatic test program that complies to IEC 62034 and ensures the unit complies with the requirement of BS5266 and EN50172.

### AUTOMATIC SELF COMMISSION MODE

After the first 24 hours, the program will carry out an automatic test for 1 hour. After the completion of the test the unit will automatically put the unit into normal mode and report any failures via the 2 LED's and Buzzer. If the mains supply fails within the first 24 hours the automatic commission mode is deferred until the mains supply is applied for a full 24 hours.

### NORMAL OPERATION MODE

When the unit is in normal operation mode the program will automatically test the unit every 30 days. The test duration is for 1 minute for months 1-11 and 3 hours for month 12. While the unit is in automatic test the battery voltage, discharge current and lamp output are monitored. If while in automatic test mode the battery voltage, discharge current or lamp output falls below a pre-set level the automatic test is cancelled and the cause of the failure reported via the two LEDs.

STATUS	BUZZER	GREEN LED	RED LED
SYSTEM HEALTHY			
COMMISSION MODE	OFF	FLASH	FLASH
SYSTEM HEALTHY	OFF	ON	OFF
AUTOMATIC TEST	OFF	OFF	FLASH
LAMP FAULT	OSCILLATE	ON	FLASH
BATTERY FAULT	OSCILLATE	ON	ON
DISCHARGE FAULT	OSCILLATE	FLASH	FLASH
CHARGE FAULT	OSCILLATE	OFF	OFF

Table One

After a successful test the unit automatically goes into normal operation mode.

### MANUAL TEST

The unit can be put into a short manual test where the program will discharge the unit for 20 seconds and monitor the battery voltage and lamp output. If any of the monitored items fails the test the program will report the failure via the two LED's as detailed in table one.

A manual test will automatically reset any previous test results and clear the LED/BUZZER reporting mode. This allows the installer to correct a faulty lamp/battery without clearing the internal memory.