



# Evacuation Light Type GFL156

## Product Description

The GFL156 is a 125 watt xenon strobe unit, which flashes at an adjustable rate (factory set at 2 pulses per second). The unit is built into a HPM well glass fitting with a green diffuser, together with 3 x 1.2Ah 6V batteries providing power to the unit for up to 2 hours of operation once the supply to the units has been cut by the fire control relay. As the unit only operates off it's own internal batteries when the supply to the unit is cut, any building wire can be used to wire up the units, eliminating the need for expensive fire resistant cabling.

The GFL156 units are normally connected in parallel to a Rapier Electronics PSU188 uninterruptible power supply, which supplies a 24V DC supply for up to 10 x GFL156 units, via the fire control relay. Each GFL156 has 2 positive and 2 negative screw terminals to allow interconnection between units, allowing for a wire in from a PSU188 or another GFL156 unit and a wire out to the next unit. Each GFL156 unit incorporates a test button to allow for individual testing and has a charge indicator next to the test button to indicate the 24V DC charge is present

**NOTE:** If a PSU188 is not used to supply the 24V DC to the GFL156 units, then the 24V DC supply that is used must be uninterruptible, as the GFL156 is to only operate when the fire control relay is switched and not when there is a mains failure

Power supply requirements for each GFL156 unit: 24 V DC @ 100mA

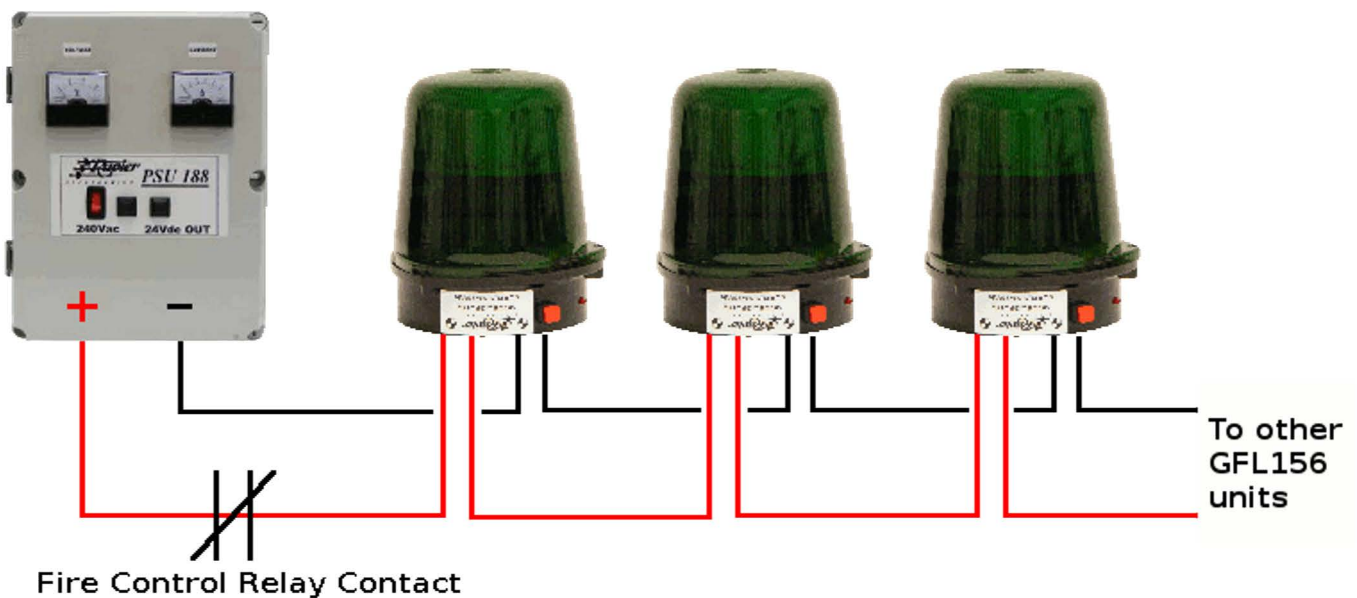
## Evacuation Light Type 156 Specifications

Input Voltage.....	24V - 28V DC
Current Draw.....	100mA
Flash Energy.....	0.5W (joules)
Flash Rate.....	Adjustable (preset at 2 flashes per second)
Battery Run Time.....	2 Hours (initial) 1.5 hours (operational)
Battery Type.....	3 X 1.2Ah 6V Sealed Lead Acid (maintenance free)
Fuse.....	1A
Dimensions.....	Diameter = 165mm, Height = 185mm
Weight.....	1.5kg

## Installation Instructions for Evacuation Light Type 156 & Central PSU Type 188

1. Install GFL156 evacuation lights. **DO NOT** connect battery negative or diffuser.
2. Install PSU188 **DO NOT** connect battery negative
3. Wire from the 24V DC output via the fire control relay to all GFL156 units.  
Connect 240V AC (Mains) to the PSU188 and switch on.  
Connect the battery negative to the PSU188 battery set.
4. On each of the GFL156 units check that the supply LED on the side of the base is lit, then connect the battery negative connector and the green diffuser.  
Press the test push button to ensure that the GFL156 is operational.
5. To test the system, deactivate the 24V DC output from the PSU188 by operating the circuit breaker.  
This will cause all units to start flashing as if the fire control relay had been activated. With new battery packs installed the GFL156 units will operate for 2 hours; 1.5 hours with old battery packs.

NOTE: This system is not affected by mains failure and will only operate when the supply to the GFL156 units is broken



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