



## LOCOMOTIVE VISIBILITY LIGHT FLASH CONTROLLER & MONITORING FEATURES



### A – 8368

**Complies with US & Australian standards for locomotive visibility lighting control at level crossings and other safety zones.**

The A-8368 device is purpose built for locomotives. Having robust design to EN50155 standards and sustained reliable service it provides manual, automatic, on/off and flashing control of the “ditch” lights at each end of the locomotive and bell.

Typically supplied as a stand-alone unit, it includes the high current switch control of filament lamps or LED cluster lights.

Low operating power is supplied from the locomotive’s battery system and with the isolated control of the light circuits; any voltage may be used for the visibility lights of the locomotive.

Used on remote controlled locomotives optimises visual/audible awareness of an approaching train or pending movement.

**Monitoring:** Included is our successful Light Integrity Monitor™ for either LED or filament type lights. Outputs are provided for remote indication of each light’s real time state. Light or circuit faults occurring in any of the device’s operating modes can be conveyed to the locomotive’s data logging equipment with the optional independent fail safe common mode failure output.

### FEATURES

- Automatically flashes visibility lights facing travel.
- Allows A or B end lights to be manually controlled
- LED Diagnostics for input & output functions
- Light integrity check in real time with fault indication
- Small size, easy fit, connection schematics included
- Designed for locomotive usage & light requirements
- Ideal for Driverless locomotives.

### SPECIFICATIONS

- Supply voltage:** 60 – 80vdc (others available)
- Power Drawn:** 10 watts
- Inputs:** 60 – 80vdc (others available)
- Driver select:** A or B end visibility lights
- Locomotive:** Direction – Forward & Reverse
- Flashing Trigger:** Horn input + 3 external triggers
- Speed ref:** From Loco – consult factory. *(adjustable)*
- Outputs:** Control of 2x2 visibility light sets
- Lights:** DPST (NO), Form 2A  
Designed for hi - inrush loads
- Light Integrity:** 4 x Real time light status  
1 x common mode fault status
- Flashrate:** Alternate – 40 to 180 fpm (adj)  
Duration – Horn time +18secs  
*(adjustable up to 1 minute)*
- Enclosure:** 300W x 400H x 155D (mm)  
Powdercoated Beige color Steel
- Options:** Stainless Steel Enclosure  
Quiescent current for warming filament lamps

**AIR DIGITAL ENGINEERING**

**PH: (02) 9905 9566**

**Em: [airdigital@bigpond.com](mailto:airdigital@bigpond.com)**

**[www.airdigitalengineering.com](http://www.airdigitalengineering.com)**