

ACM1 - Static Inverter Conversions



Discreet emergency lighting, without purchasing and installing additional luminaires can be achieved by utilising suitable standard mains luminaires operated via a static inverter system. Normally there is a requirement for local switching under normal mains healthy conditions. ACM1 modules automatically override this during a mains failure, providing failsafe illumination of the emergency luminaires. Easy to use, the module is ultra compact allowing easy integration into luminaires chosen for emergency operation from a 230V AC static inverter system. Alternatively it can be mounted in a remote enclosure to control a load of up to 750VA, if fed from a common switched mains supply. Rated to switch 480V, the ACM1 delivers reliable, high integrity performance.

- Utilise mains luminaires as emergency lighting
- Simple single or multiple luminaire control
- Controls up to 750VA
- Ultra compact profile for ease of integration or remote mounting
- Meets switching thresholds of EN 60598-2-22
- Rated to switch 480V
- EasiCheck self-test system compatible versions available

Materials

- Module case - polycarbonate, white finish
- Remote enclosure - steel, white finish

Installation Notes

- Suitable for fitting integral to host luminaire, where EMC test results permit
- Modules can control single or multiple luminaires
- A maximum load of 750VA can be controlled by one module, providing all luminaires are fed from the same switched supply in mains healthy mode.
- Requires unswitched mains supply (permanent live)
- Heavy duty terminals
- Available in remote mounting box (ACM1ENC)
- Changeover device can switch 480V, permitting feed from inverter and local switched supply to be on different phases.
- Operates luminaire at full lumen output. When performing photometric designs the K and S lumen reduction factors of 0.95 and 0.85 respectively should be applied. See page 566 for Design Guide.

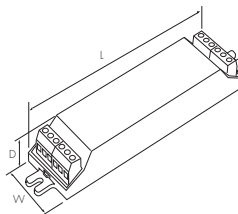
Options

- EasiCheck addressable testing system compatible versions available. System detailed on page 304
- Available with a variety of easy connect plugs (POA)

Specification

To specify state: Static inverter system control module for fluorescent lamps, in low profile case, providing changeover from switched mains supply to emergency supply, with 480V switch rating and conforming to switching thresholds of EN 60598-2-22, controlling individual luminaires or multiple loads up to 750 VA, for use with 230V AC/AC static inverter systems, as Menvier Active Control Module range, part no. ACM1

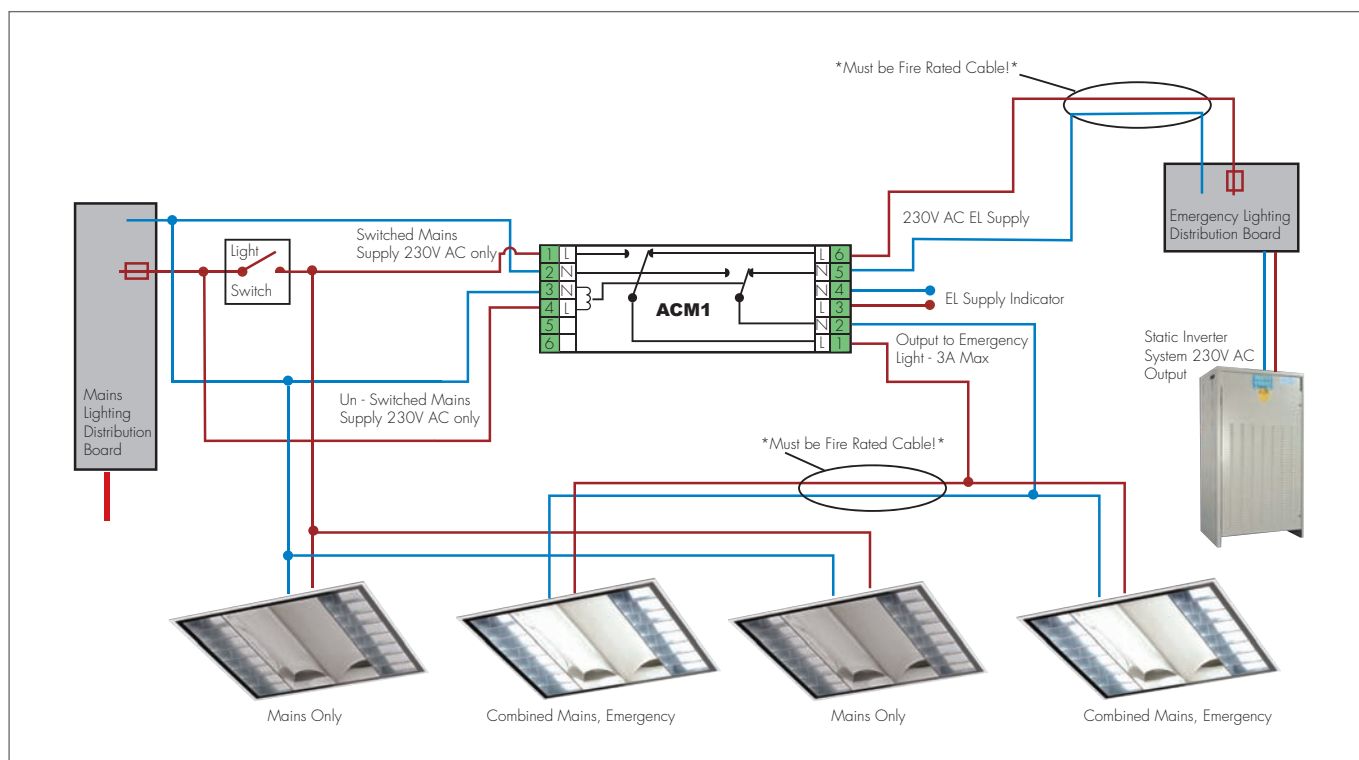
Dimensions



Catalogue Numbers

| Description | Cat No | Weight (kg) |
|-----------------------------------|---------|-------------|
| Active Control Module (max 730VA) | ACM1 | 0.30 |
| Above item in remote enclosure | ACM1ENC | 0.90 |

| Description | L(mm) | W(mm) | D(mm) | Fixing Ctr's (mm) |
|-------------|-------|-------|-------|-------------------|
| ACM1 | 158 | 38 | 33 | 147 |
| ACM1ENC | 285 | 100 | 55 | - |



Typical ACM1 schematic diagram