

Intellem self check offers a simple and cost effective solution to the mandatory requirements for the regular testing of emergency luminaires. The system requires no setting up. Converted luminaires are simply installed, providing instant monitoring of the emergency circuit and automatic testing at intervals compliant with legislation. System status is clearly indicated via the LED flash sequence and on-board audible alarm, which can be disabled if required by the user. Intellem self check is particularly beneficial in refurbishment projects, as no additional cabling is required.

- Provides simple reliable automatic testing of emergency lighting reducing maintenance cost
- Tests fully comply with EN 50172 for peace of mind
- Easy to install stand alone operation minimising cost and reducing install time
- No additional data cable
- Offset feature to stagger testing ensures consistent emergency cover at all times
- 28 day cycle so tests occur on a consistent day of the week



System Operation

- Provides simple intelligent self-testing of emergency lighting systems.
- An Intellem diagnostic unit is fitted into all suitable self-contained dedicated emergency luminaires and mains luminaires converted for emergency operation.
- Upon initial power up, the unit self calibrates, determining the correct values for the parameters to be checked during monitoring and testing.
- Test intervals are determined from the moment of initial power up, with a built-in automatic additional 12 hour initial delay to ensure that luminaires installed during the day are tested at night.
- A full duration test is initiated 36 hours after initial power up to commission the unit.
- Luminaire status is continuously monitored and information provided via the luminaire LED and on-board audible alarm. In the event of a fault, the on-board audible alarm operates, and the precise nature of the fault indicated by the LED flashing sequence (see table below).
- Audible alarm can be disabled if required.
- Testing is automatically carried out as per the Intellem testing schedule, to meet and exceed the requirements of EN 50172.
- The first function test occurs 28 days after the initial commissioning test, subsequent tests take place every 28 days, every 12th test is automatically scheduled for a full 3 hour duration.

Luminaire Compatibility

Intellem self check is compatible with the majority of Eaton's dedicated emergency fittings or converted mains luminaires fitted with an Eaton emergency conversion kit. The module is supplied pre-fitted and tested, installation of self-test emergency luminaires is the same as for a standard emergency fittings. No system adjustment or programming is needed. Throughout this catalogue luminaires available with Intellem self check are highlighted in the relevant product sections.

