IR2
Infra-Red emergency lighting testing system

Advanced infra-red emergency lighting testing system IR2 is a safe, fast and easy way to test emergency lighting, offering the user a simple walk test process to interact with the emergency lighting system.

IR2 offers unprecedented flexibility including:
– Choice of automatic or manual testing
– Upload and download capability
– Simple Self-Test as standard
– Handheld interaction with luminaires so no need for ladders or keyswitches
– Luminaire status information indicated by green/amber LED
– Choice of a simple 'test-only' transmitter (IR2-TX) or intelligent bi-directional handset (IR2-TESTWARE™)
– Data management via PC

Testing can be done using the IR2-TX, 'test-only' transmitter, or the intelligent bi-directional handset (IR2-TESTWARE™ package), which tests, interrogates and reports. IR2-TESTWARE™ allows the user to view the results on small screen, or, as desired to download them to a PC to produce automated reports.

Key benefits and features
– Easy to operate: users become familiar with the control device in a very short amount of time - indicator interpretation is straightforward
– Effective testing: luminaire status is clearly given.
– The user will be able to fault find and plan maintenance efficiently
– No extra wiring: Eliminates the need for key switches
– Zero impact: the fabric of the building remains unaffected (no additional wiring, no building works and no need for redecoration)
– Promotion of safety awareness: users find the test method interesting and interactive
– Cost and time savings: reduced installation effort with less wiring and lower maintenance times allied with the ability to plan maintenance schedules better
– Regulation compliance: BS and EN standards requirements for testing emergency lighting luminaires are met by using the IR2 system
– Compatibility with existing schemes: new product developments are backwards compatible with the original Flashpoint IR system
– Proven reliability: IR2 has been proven in the field for many years. Recent hardware and software updates have maintained technical advancements

Optional Self-Test operation
– Self-Test is an option, which is pre-set in the factory and can be programmed from the bi-directional IR2-TESTWARE™ handset
– If a test is not performed in 12 months an automatic duration Self-Test will take place. The 'Self-Test' interval can be programmed between 2 and 365 days (factory pre-set to 12 months)
– Self-Test can be inhibited
– Internal timing in the luminaire is synchronised with the mains frequency for accurate control
– LED indicators on the emergency luminaire identify faults locally. A Self-Test status report can be downloaded to the bi-directional handset

LED indication
Each luminaire has a transmitter/ receiver module fitted with green and amber LED indicators. The LED lit colours give the luminaire status.

🟢	⚪	Normal operation - OK
🟢	🟠	24 hour recharge needed
⚪	⚪	Mains failure mode
⚪	🟠	Fault: battery not charging
⚪	🟠	Battery not charging & in 24 hr charge period after mains re-connection
🟢	🟠	Charging OK, but other fault present [emergency lamp or battery capacity / voltage]
🟢	⚪	Luminaire in test
🟢		Flashing LED

Display and fault indications may vary.

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