

# 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.

01 Table  
LED indication

01 Table	
	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
Key:  Flashing LED	

Display and fault indications may vary.



01

01 IR2-TESTWARE™  
02 IR2-TX

**IR2-TESTWARE™**

Bi-directional handset, PCLINK software and USB interconnect cable.

- For testing, interrogating and reporting the condition of IR2 fitted luminaires
- OLED (organic LED) screen
- 4 button menu system with large control buttons
- Backwards compatible with Flashpoint IR (IR1) systems
- Optional password entry protection
- The unit gives instant status report of all emergency luminaires in detail
- Onboard memory with storage capacity for 2,000 records
- Download information into a spreadsheet format for automated record keeping and assessment
- USB socket, USB interconnect cable provided for PC link
- Allows maintained to non-maintained switching

02 Table  
IR2-TESTWARE™  
03 Table  
IR2-TX

02 Table

Order code	Description
IR2-TESTWARE™	Intelligent control package; hand-held luminaire interrogator/tester, PC-LINK software, USB cable and instructions

03 Table

Order code	Description
IR2-TX	IR2 test transmitter



02

**IR2-TX**

Initiates test sequence (tests for a 3 hour duration and automatically resets back to the normal condition).

- Status notified by green and yellow LED indicators on the luminaire
- Reset the luminaire to normal operation (to test for brief operation)
- Backwards compatible to Flashpoint IR (IR1) USB socket, USB interconnect cable provided for PC link
- Allows maintained to non-maintained switching