

Application

Command Emergency Programmable System (COMEPS) is a DALI based automatic test system that allows the emergency lighting system to be tested over a robust DALI bus. It can be integrated into a total lighting control system along with other devices using the same two wire DALI bus.

The system is designed for organisations seeking an automated, efficient, cost effective and reliable means of meeting the mandatory requirements. The automatic central test systems guarantees regular testing and monitoring of emergency lighting and will reduce the cost of maintenance.

COMEPS can be purchased as a complete system or supplied as individual COMEPS compatible luminaires that can be integrated into other industry standard DALI Emergency Lighting Systems.

Emergency Operation

In any emergency situation when the mains supply fails, or in a test situation where the supply failure is simulated, the COMEPS unit will switch the light source from the normal ballast supply to the emergency inverter supplied from the batteries. COMEPS uses the industry standard IEC 62386 DALI communication protocol and can be commissioned and programmed to conduct duration and frequency emergency testing in line with the requirements of BS EN50172.

Specification

- Compatible with a wide range of Whitecroft's LED and non-LED luminaires
- Single system can monitor and test an unlimited number of luminaires
- Operated over the DALI bus that can be used to control the lighting control system
- Each luminaire has a unique address
- Test schedules can be programmed to suit the occupancy of the building
- Testing times and dates can be easily programmed
- Failures indicated locally at the luminaire and on the central controller
- All tests are automatically recorded and stored

Testing and monitoring

COMEPS is designed to automatically test and monitor the following parameters:

- Battery charging
 - Charging current
 - Battery voltage
- Function test
 - Lamp operation
 - Circuit operation
- Duration test
 - Lamp operation
 - Circuit operation
 - Battery charge capacity

COMEPS system components

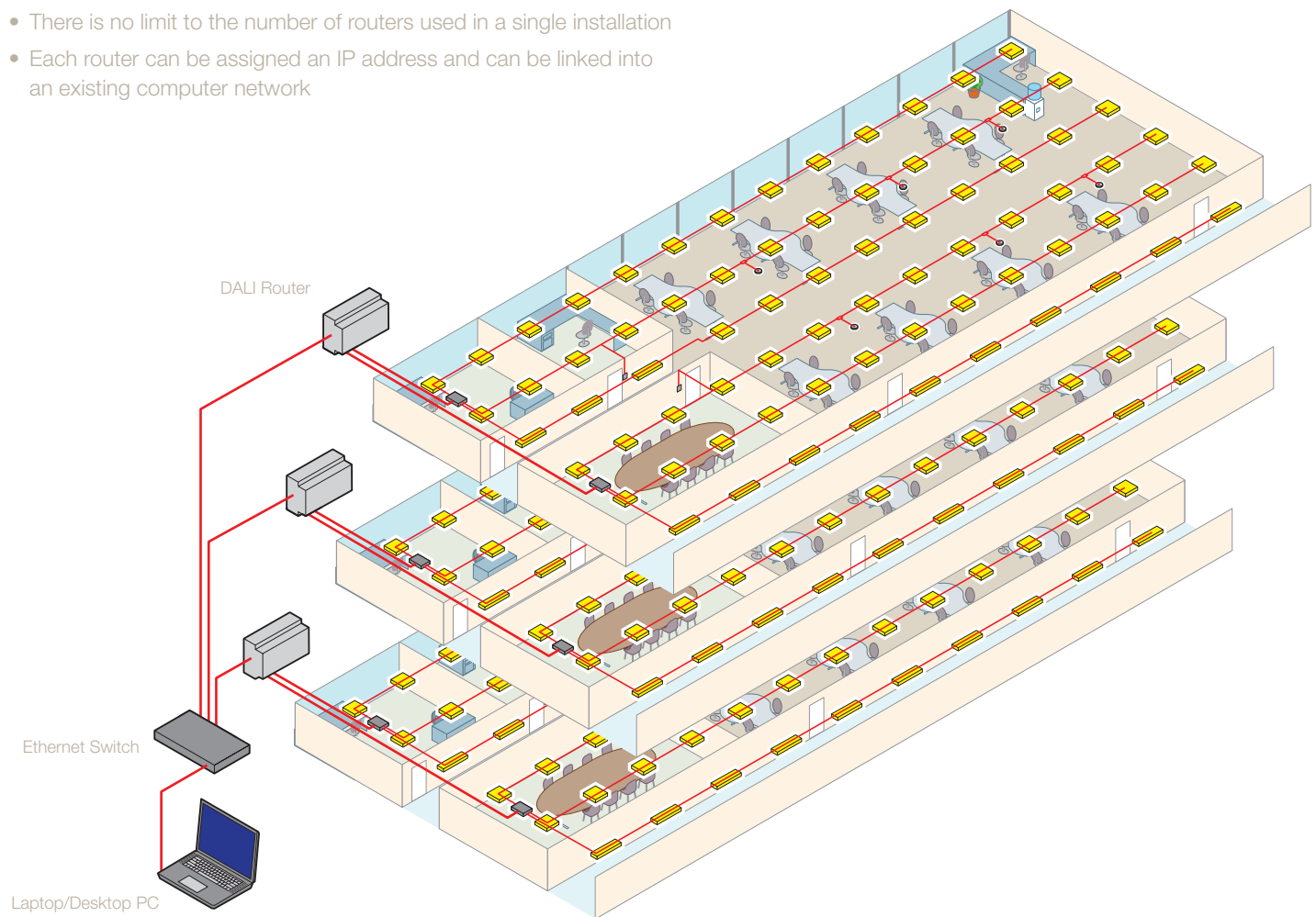
DALI Router

128 Addresses

- The DALI router can address 64 devices on each of 2 channels, giving a wider range than an individual hub.

Scalable

- DALI Routers can be linked together by Ethernet cable
- There is no limit to the number of routers used in a single installation
- Each router can be assigned an IP address and can be linked into an existing computer network



Software Interface

Whitecroft have developed a user friendly interface that provides centralised testing, reporting and simplifies commissioning.

