

GUIDE TO SPECIFYING EKTOR'S AWAC EMERGENCY MONITORING SYSTEM

The system shall provide routine testing facilities per AS2293.1:2005. The system shall be based on the international standard DALI control protocol. A software based electronic logbook in accordance with the relevant parts of the AS2293 series shall be provided.

LUMINAIRES AND EXIT SIGNS

Emergency luminaires and exits shall be Ektor branded and comply with the requirements of AS2293.3:2005.

All Exit signs and emergency Luminaires shall:

- Be of the self-contained type.
- Be DALI compatible.
- Capable of monitoring:
 - Battery status and failures
 - Lamp failures
 - Lamp state
- Capable of reporting:
 - Results of last duration and function tests even after loss of power
 - Luminaire statistics such as lamp hours

CONTROL SYSTEM

The control system shall:

- Be DALI compatible
- Display graphical representations of the emergency luminaires and exit signs
- Display status information from connected devices
- Provide a central access point with the ability to generate reports for all lines
- Be accessible without any dedicated head end system or require a dedicated PC
- Provide the facility to replace of defective luminaires
- Display a summary of the system status containing only defective emergency luminaires including location details
- Provide an Emergency Lighting Electronic Logbook detailing relevant location information, test results and maintenance history
- Be configurable to allow remote access through an internet connection
- Be configurable to send email containing test report information

CONTROL SYSTEM

The emergency luminaires and exit signs will be commissioned by pressing the test switch at each emergency device in conjunction with the software commissioning wizard.

Each AWAC must be labelled with the Controller ID, IP address, Subnet and building level.

Each emergency device must be labelled with the system line designator and the DALI short address.

A complete set of "as installed" drawings must be provided by the installing contractor detailing the following:

- The location of the AWACS, routers and emergency luminaires
- The data cable route between the AWACS and router
- The ID of each emergency luminaire, AWAC and DALI Line on the WAC