Overview: Stand Alone Controls

The lighting control solution will accommodate DALI and switched luminaires as indicated on the drawings.

Each room, area or group of luminaires will work on a standalone basis with no requirement for a wider networked lighting control system.

Occupancy control will be in accordance with building regulations, allowing for a presence detector to be positioned every 40sqm. These areas will be programmed to operate in both presence and absence detection mode (where the lighting is automatically switched on and off).

Areas requiring manual control will be installed with a 2 position retractive grid switch which will be wired back to local 230V PIR. These areas will be programmed to operate in absence detection mode (where the lighting is manually switched on and automatically off).

Table of Contents

[Lighting Control Modules – Standalone Pluggable 2](#_Toc78550470)

[Emergency Testing – Standalone 3](#_Toc78550471)

[Commissioning – Contractor/Installer 3](#_Toc78550472)

# Lighting Control Modules – Standalone Pluggable

The lighting connection center/marshalling box shall accommodate two control channels. Each channel should support five outputs, or both channels linked to create one channel of 10 outputs.

The lighting connection centre/marshalling box should support multi-room applications, where two cellular offices or meeting rooms can be controlled independently.

Control functions and settings shall be stored in memory on the PIR, independent to the lighting connection center/marshalling box and should provide the following capabilities:

* DALI dimming
* Relay switching
* Adjustable on/off levels
* Adjustable maintained levels
* Presence/absence detection
* IR programming

# Emergency Testing – Standalone

A single permanent live shall supply all emergency luminaires connected to the lighting control centre/marshalling box. A single key switch shall be connected to each lighting control centre/marshalling box to allow the interruption of the permanent mains supply, manually triggering a test.

# Commissioning – Contractor/Installer

The electrical contractor/installer shall supply and install all elements of the lighting control system and shall put the systems in to service independently of the lighting control system manufacturer, testing and commissioning the installation.

Commissioning should be undertaken with an IR handset or equivalent.

The electrical sub-contractor/MEP contractor shall ensure full compliance with the requirements of Part L of the Building Regulations and any applicable BREEAM requirements.