



The control of lighting levels from anywhere within a room offers great flexibility to any installation. Conference meeting rooms particularly benefit from one person being able to create different modes or scenes during a presentation.

The Infra-Red Scene Setting system provides this versatility without the need of expensive and complicated dimming racks. The basic control module can operate up to 25 ballasts and requires only the addition of an infra-red receiver and hand held controller in order to create 3 preset lighting scenes with dim/brighten override. Up to 8 control modules and 5 receivers can be linked, allowing the system to be utilised in larger and more sophisticated installations.

- 3 programmable scene levels provide one touch access to commonly used settings
- Convenient infra-red control
- Simple to understand, install and set up
- Easily expanded to multiple zone system for larger rooms or those with partitions
- On/off and dim/brighten manual control
- Soft on/off feature fades lamps on and off, avoiding an instant on/off switching of the lamp

Lighting Controls

Infra-Red Scene Setting

System Operation

- Luminaires to be controlled should be fitted with digital high frequency regulating control gear.
- Each luminaire requires a standard, permanent live mains power supply.
- Luminaires should be zoned and designated to a control module. Every luminaire in each zone is linked using a 2 wire DSI BUS cable, connected back to the appropriate control module.
- An infra-red receiver is installed and connected to all control modules in the system. Up to 5 receivers can be used.
- Using a hand-held infra-red controller the luminaires can be switched on/off or dimmed/brightened. The controller can also be used to set up scenes, with different zones at varying light levels. Once programmed, scenes are recalled by pressing one of the 3 scene selection buttons.
- A DSI control signal, providing on/off/dim/brighten control information, is distributed by the 2-wire BUS to luminaires on each individual zone as instructed by the module, based upon instructions provided by the hand held controller.

System Components

- **Control Module**
Moulded white thermoplastic housing, supplied ready to fix into a suitable box/housing.
- **Infra-red receiver**
Injection moulded thermoplastic in white.
- **Hand held controller**
Injection moulded thermoplastic in grey, complete with wall mounting bracket/holster.
- **Luminaires**
Compatible luminaires fitted with digital high frequency regulating control gear. To specify luminaires, change the 'S' or 'Z' suffix to 'RD'. A comprehensive list of luminaires suitable for use with Infra-Red Scene Setting can be provided by contacting our Technical Support and Application department.

Catalogue Numbers

Description	Cat No
Infra-red hand held controller	LCSDHHC
Infra-red receiver - ceiling mounted (max 5 per system)	LCSDIRR
Infra-red dimming control module - up to 25 ballasts (max 8 per system)	LCSDCIR
Infra-red dimming control module 2 channel - up to 25 ballasts per channel	LCSDCIR2
Momentary push button switch - on/off/dim/brighten control	LCSDPB

LCSDIRR Infra-red receiver



LCSDHHC Infra-red hand held controller



System Design and Installation

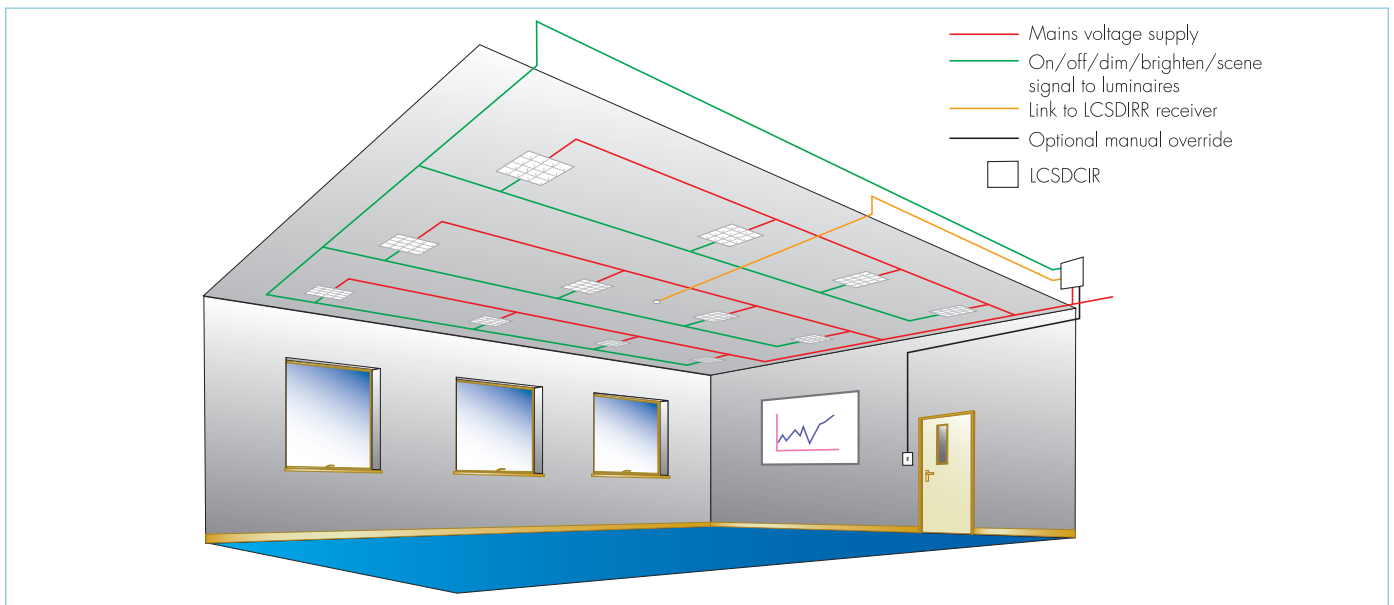
- Lighting design is carried out exactly as a conventional system would be, to determine the quantity of luminaires required, making provision for particular scene effects/requirements.
- Specify the luminaires to be fitted with digital high frequency regulating control gear (max 25 ballasts per channel of the single or twin channel controllers).
- Connect all luminaires to a permanent live mains supply. It is recommended that a suitable means of isolation is provided for routine maintenance purposes.
- Connect a 2-wire DSI BUS cable from the control module to each luminaire in the module's zone. Maximum length is 50m per module/zone. DSI connection is polarity free. It is recommended that mains insulated cable is used.
- Install infra-red receiver, linking it to each control module in the system. Up to 5 receivers can be used on one system, installed in parallel. Power is supplied from one 'IR master' control module, the others designated as 'IR slave' by removing a jumper link.
- Light levels for each zone and each of the 3 programmable scenes is set up using the hand held controller.
- LCSDPB momentary push buttons can added to the system to provide fixed point on/off/dim/brighten override control.

Options

Emergency converted luminaires can be used with this system, specifying the appropriate luminaire to be complete with digital high frequency regulating control gear. Contact us for full details.

Specification

To specify state: Infra-red dimming and scene setting system providing on/off/dim/brighten and programmable scene recall functionality, using digital high frequency regulating luminaires and selected using a hand held infra-red controller, as Eaton's Infra-Red Scene Setting System, part no. _____



Typical Infra-Red Scene Setting wiring schematic