

# INTELLECT GROUPMASTER

- Competitive energy management package
- Energy saving - typically between 50% and 70%
- Choice of Intellect Digital or Regulator functionality
- Group operation of on/off & light level control
- Presence detection, daylight linking and constant illumination
- Easy to set-up

Intellect Groupmaster provides the opportunity to utilise intelligent lighting controls where it is not possible to use individual intelligent luminaires, perhaps for reasons of budget constraints. Available with specially modified versions of either Digital or Regulator control cubes, Intellect Groupmaster provides the benefits and set up features of these two systems, but with reduced equipment costs. Supplied as a stand alone unit, each Groupmaster can operate up to four luminaires fitted with digital regulating control gear, sharing light level and on/off control signals. Although offering less flexibility than using individual intelligent luminaires, as special features such as communication or background light mode are shared, Intellect Groupmaster provides a cost effective solution.



## WHERE TO USE INTELLECT GROUPMASTER

- Call centres
- Offices
- Store rooms
- Reception areas
- Libraries
- Corridors
- Toilets
- Conference and meeting rooms
- Universities, schools and colleges

### STANDARD SYSTEM FEATURES

Intellect Groupmaster is supplied as a stand alone control unit, for recessed mounting into ceiling systems. Each unit can be specified to be fitted with either an Intellect Digital or Intellect Regulator control cube. Up to 4 luminaires, each equipped with digital high frequency regulating control gear, can be operated from a single Groupmaster unit. Shared system features can be summarised as below. See Intellect Digital or Regulator product entries for a full explanation of functionality.

#### Intellect Digital Groupmaster

- Presence Detection
- Luminaire Communication
- Daylight Linking
- Constant Illumination
- Illumination Control
- Infra-Red System Set-up

#### Intellect Regulator Groupmaster

- Presence Detection
- Daylight Linking
- Constant Illumination
- Background Light Mode
- DIP Switch System Set-up

### SYSTEM COMPONENTS

#### Groupmaster Control Unit

Ceiling mounted unit fitted with appropriate cube and DSI on/off/level output for connection to luminaires

#### Luminaires

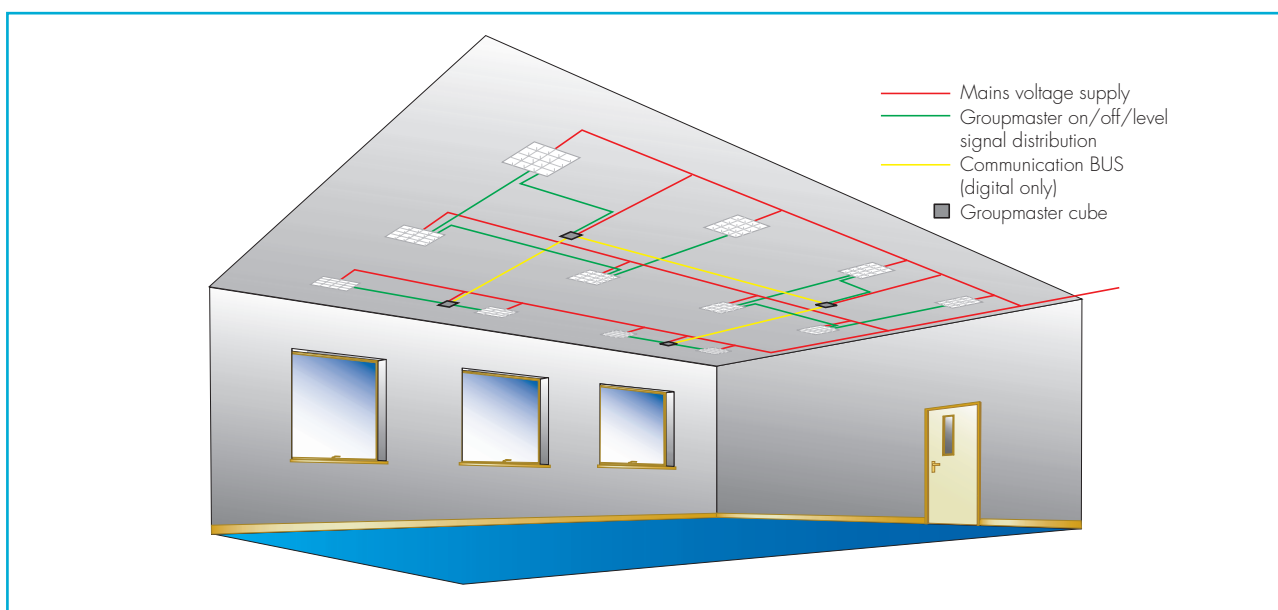
Compatible luminaires fitted with digital high frequency regulating control gear. A comprehensive list of luminaires suitable for use with Intellect Groupmaster can be provided by contacting our Technical Support and Application department

### SYSTEM DESIGN AND INSTALLATION

- Intellect Groupmaster system lighting design is carried out exactly as a conventional system would be, selecting compatible luminaires that are available fitted with digital high frequency regulating control gear
- Light switches are not essential, although a recognised means of isolation is required to facilitate maintenance and re-lamping.
- Groupmaster control units should be located in the most appropriate position for detection purposes. In large areas this is generally in the centre of each group. In small areas, it is likely to be more beneficial over the task area
- A mains power supply is connected in the normal way to the luminaires and Groupmaster control units
- An additional 2 core communication BUS cable is required to link control units in Intellect Digital Groupmaster installations. Polarity must be observed when connecting the BUS cable to each Groupmaster unit
- The luminaires are set up using the infra-red programmer or DIP switches, as appropriate for the control cube type specified
- We recommend that you contact our Technical Support and Application department for advice on design and system application as Intellect Groupmaster is highly project specific

### CATALOGUE NUMBERS

Cat. No.	Description
ILDGM	Intellect Digital Groupmaster Control Unit (max 4 luminaires)
ILRGM	Intellect Regulator Groupmaster Control Unit (max 4 luminaires)



Typical Intellect Groupmaster wiring schematic

# INTELLECT GROUPMASTER