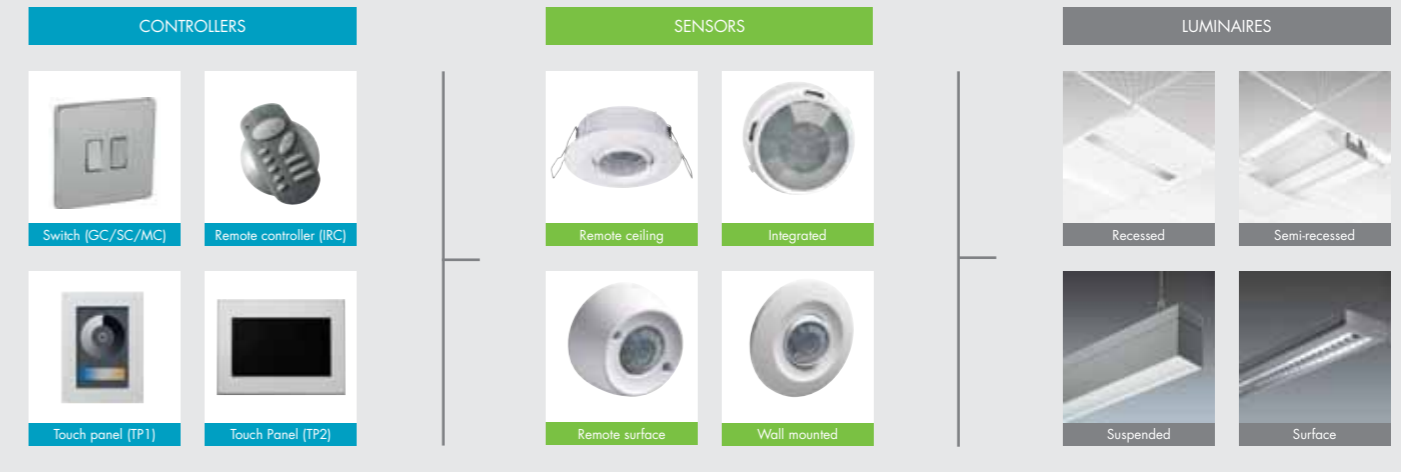




Sensa range








Lighting management system which is based on the twin principles of comfort and energy saving

- Flexible configuration, even for retrofits (lighting groups are not wire-bound)
- Compatibility and future-proof design
- Extensive functionality
- Simple and clear handling
- Wide range of interfaces to other systems






Lighting Controls - Energy efficiency made easy

We need a variety of strategies and technologies to help us control lighting to produce an optimal lit space that uses minimal energy. These are:

-  **Presence/Absence detection**
Artificial lighting responds to the occupancy of a space. **Average saving 24%**
-  **Daylight linking**
Artificial lighting responds to the natural light conditions. **Average saving 28%**
-  **Constant illuminance**
A function designed to produce correct lighting levels for the duration of the maintenance period
-  **Task/Scene setting**
Allows the user to set scenes and adapt the lighting to different tasks. **Average saving 36%**
-  **Timed sequence/off**
Automatic cut-off can be installed to turn all electricity off during unoccupied hours

The average savings taken from paper* comparing 240 studies of energy savings using different technologies, give an indication of typical average savings from different lighting controls strategies.
*Lighting Controls in Commercial Buildings
A. Williams, B. Atkinson, K. Garbesi, E. Page, F. Rubinstein
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Overview To ensure the correct components are specified please contact your local Thorn sales representative.

| Functionality | Description | Controllers | | | | | Sensors |
|--|---|-------------|----|-----|-----|-----|---------|
| | | GC/SC | MC | SQM | TP1 | TP2 | |
|  Task/Scene setting - Scene control | Groups and scenes can be easily switched and dimmed with the group and scene control modules SENA GC/SC/MC. | ✓ | ✓ | | | | |
|  Task/Scene setting - Multi-functional control | The Sensa MC (multi-controller) and the Touch panel (TP2) open a wide range of functions offering maximum flexibility such as scene setting, manual dimming of programmable groups of lighting and sequencing for automatic colour/scene changes. Each input can have a different function to meet the project requirements. | | ✓ | | | ✓ | |
|  Task/Scene setting - Automatic scene control (sequence) | Using the Sensa SQM predefined lighting scenes can be easily combined into a self-executing sequence. Up to 16 lighting scenes can be recalled one after another in a user-defined time meaning that automatic control of all lighting load types can be realised. | | | ✓ | | | |
|   Presence/Absence Daylight linking control | Energy-efficient solutions can be created in combination with remote or integral sensor heads, offering daylight dependant and/or presence/absence control. A remote control extends the functionality of the SENA S2 and enables the system to be manually operated. | ✓* | ✓* | | | | ✓ |
|  Timed sequence/off - Convenient operation and programming | Dynamic lighting can be easily provided thanks to the Sensa Touch Panel TP2. 16 luminaire groups each with the ability to select 16 user-defined lighting scenes can be controlled. Daily, weekly or monthly calendar events can be stored within the TP2 along with programmable timed sequences for dynamic and colour changing requirements. | ✓* | ✓* | | ✓* | ✓ | ✓* |
| Comfortable configuration with a PC | Complex installations can be easily addressed and programmed on a PC (connection via DALI USB). The functionality of individual devices can be easily optimised. | | ✓ | | ✓ | | ✓ |

✓* - optional