

## Kitchen

The kitchen shall use switched fluorescent area lighting and a combination of switched fluorescent, halogen and LED task lighting. Task lighting shall be zoned so that different work areas may be switched separately.

360° ceiling mount PIR occupancy sensors shall be used to switch off lighting when unoccupied. When no occupancy is detected for 20 minutes, the area lighting shall switch off. If occupancy is detected within the next 10 minutes the area lighting shall switch back on, otherwise after the 10 minutes, the task lighting shall switch off and lighting may only be switched on via the touch screen. The touch screen shall operate the lighting and extraction fans. Scenes shall be used to select lighting for different food service times.

| Button | Function                    | Button | Function                    |
|--------|-----------------------------|--------|-----------------------------|
| 1      | Breakfast (scene)           | 2      | Lunch (scene)               |
| 3      | Dinner (scene)              | 4      | All off                     |
| 5      | Area lighting on/off        | 6      | Task lighting Area 1 on/off |
| 7      | Task lighting Area 2 on/off | 8      | Task lighting Area 3 on/off |
| 9      | Extraction Fan 1 on/off     | 10     | Extraction Fan 2 on/off     |

Table 27 – Functions, kitchen touch screen

| Device Ref. | Cat. No.   | Description                            | Channel ID |
|-------------|------------|----------------------------------------|------------|
| RLY         | L5508RVFP  | 8 Channel C-Bus DIN Voltage Free Relay |            |
| OCS, OCS    | 5753L      | C-Bus 360° PIR Occupancy Sensor        |            |
| LCP         | 5050CT2,GB | C-Touch B & W Touch Screen             |            |

Table 28 – Kitchen control system units

## Lecture Theatre

The lecture theatre shall use DSI fluorescent dimming control to provide variable level house lighting. Separate zones shall be used for the seating and stage areas. Dimmable mains halogen lighting shall be used for the stage/lecturn area. A local control panel with scenes shall be used to operate the lighting. A touch screen on the lecturn shall be used for enhanced lighting control and to operate the motorised projection screen. 90° and 360° PIR occupancy sensors shall be used to fade the lights off over 60 seconds when no occupancy is detected for 30 minutes. Occupancy shall be linked to the corridor between the lecture theatre, toilet area and the exits, to ensure these lights remain on whenever the lecture theatre is occupied.

| Button | Function     | Button | Function |
|--------|--------------|--------|----------|
| 1      | All on       | 2      | All off  |
| 3      | Presentation | 4      | Video    |

Table 29 – Functions, lecture theatre (entrance) local control panel

| Button | Function                   | Button | Function                 |
|--------|----------------------------|--------|--------------------------|
| 1      | All on                     | 2      | All off                  |
| 3      | Presentation               | 4      | Video                    |
| 5      | Auditorium on/off/dim down | 6      | Auditorium on/off/dim up |
| 7      | Stage on/off/ dim down     | 8      | Stage on/off/dim up      |
| 9      | Lecturn on/off/dim down    | 10     | Lecturn on/off/dim up    |
| 11     | Screen up                  | 12     | Screen down              |

Table 30 – Functions, lecture theatre (lecturn) touch screen control