

The DUS804C is a low profile recessed flush mount 360° ceiling mount sensor that combines motion detection (PIR), Infra-red remote control reception (IR) and ambient light level detection (PE) in the one device. In applications such as office buildings, lecture theatres and homes, the DUS804C universal sensor can be utilised to detect motion and switch on the lights. When rooms are unoccupied, lights can be automatically dimmed or switched off to provide energy savings. The unit also incorporates a segmented click-up bezel surrounding the motion sensor element. This enables a portion of the sensing field to be readily masked to prevent nuisance detection from adjacent doorways or corridors. The same sensor provides IR control reception to enable full remote control over lights, audio-visual equipment and blinds. A range of hand-held Infra-red transmitters to complement DUS804 series universal sensors are available. In situations where it is critical to maintain precise lighting control for individual workspaces, such as an office workstation or even air traffic control centres, the DUS804C facilitates light compensation. The DUS804C can also be placed in an automatic "Daylight Harvesting" mode for energy savings.

technical data >>>



-RJ version with network sockets



motion detection masking bezel

Motion Detector

DUS804C:
Standard Sensitivity
Maximum detection range: 5.0m
Detection Area: 7.4m x 5.6m rectangular (at a height of 2.5m)
Detection speed: 1.0m/s
Detection object: 700mm x 250mm
Detection zones: 64
LED activation indicator
Sensor: Quad element pyro-electric

DUS804C-SM:
Slight Motion Sensitivity
Maximum detection range: 2.0m
Detection Area: 5.0m circular (at a height of 2.0m)
Detection speed: 0.5m/s
Detection object: 200mm x 200mm
Detection zones: 104
LED activation indicator
Sensor: Quad element pyro-electric

PE Cell

5 - 500 lux (incident on sensor)
5 - 5000 lux (illumination of non-reflective surface in sensor's field of view)

Note: Value subject to the reflectance properties of the surface

Automatic "Daylight Harvesting" mode

Infra Red Remote Control Receiver

Range up to 6m
LED activation indicator
Can be used with DTK500 series Infra red remotes or other learning IR remote controls

Control IO

Serial Port – RS485 DyNet

Terminals

Standard:
5 way removable terminal strip, 1 x 2.5mm² max conductor size

-RJ Option:

2 x RJ12 network sockets

Controls

Walk test/IR received LED indicator
Service Switch

DyNet DC Load

20mA

Configuration

All functions remotely programmable

Operating Environment

0° to 40°C ambient temperature
0% to 90% RH non condensing

Compliance

CE, C-Tick

Construction

ABS plastic enclosure

Dimensions

72mm diameter x D 26mm

Weight

Packed weight 0.116kg

Mounting Accessory Option

Surface mounting sensor accessory for -RJ network socket option only

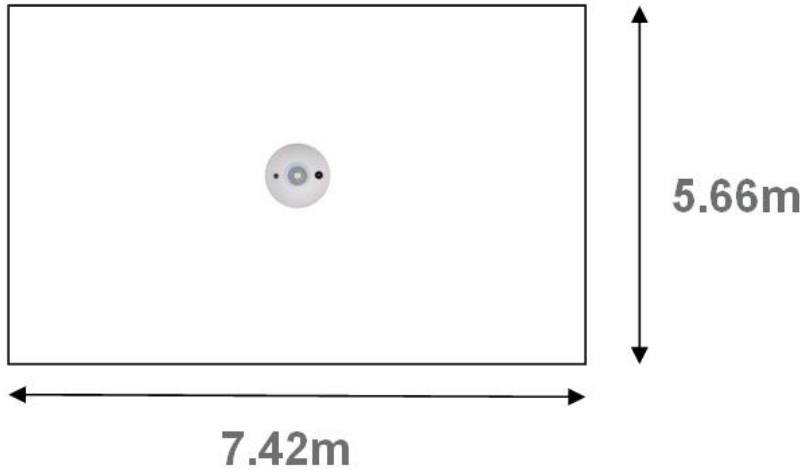
280-968 Surface mounting cup

options >>>

Slight motion sensitivity - **SM**
2 x RJ12 Network sockets - **RJ**

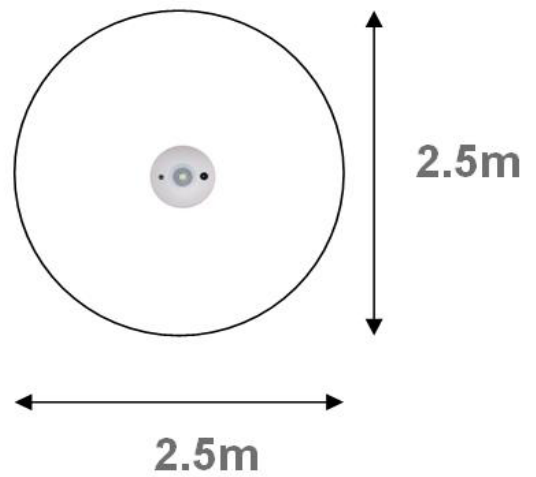
lens pattern - DUS804C >>>

Mounting height 2.5m



lens pattern - DUS804C-SM >>>

Mounting height 2.5m



mounting dimensions >>>

