Delmatic's sixth-generation PIRs and multisensors maximise energy-efficiency by relating lighting to occupation and the amount of daylight contribution.

The software-defined smart DALI-2 sensors provide passive infra-red presence detection, absence detection, and daylight-linking, accept switching, dimming and scene commands via an integral infra-red receiver, and can accept temperature and set-point data for integrated control of HVAC and enhanced energy-efficiency.

The DALI-2 multisensor is tested and independently qualified by the DALI Alliance (DiiA) and forms part of Delmatic's network of sensors, controllers and software, with optional green features including hours-run monitoring, virtual energy monitoring and energy use analysis dashboards.

multisensor

product ref: **164D2**

The **multisensor** optimises energy-efficiency by combining passive infra-red **presence / absence** detection with **daylight** linking and harvesting so that lighting is related to both occupancy and daylight.

The **multisensor** is fully software-configurable and may be set to operate in **presence** or **absence** mode: the presence detector time-out is software-adjustable while default illumination levels, **photocell** thresholds and other parameters are fully configurable.

The multisensor includes an infra-red receiver for user adjustment and task tuning of lighting levels and accepting blind, temperature and set-point selections and data from Delmatic Touchpads so that lighting, heating and cooling are linked to occupancy.

presence detector

product ref: **163D2**

The **presence detector** saves energy by relating lighting to occupation and switching lighting off in vacated areas.

The detector is software-configurable to operate in **presence** mode (switching lights on when motion is sensed and off after the area is vacated) or **absence** mode (with lighting manually energised by switch, transmitter, phone or web-browser, and switched off after the area is vacated): the sensor time-out is also software configurable.

technical details

occupancy sensor:	passive infra-red. quad element
detection diameter:	5m at 2.5m mounting height
lux sensor:	photo-diode. accuracy: +/-5% across range
height (above ceiling):	30 mm plus cable
depth (below ceiling):	1 mm
body diameter:	39 mm
bezel diameter:	49 mm
cut-out diameter:	40 mm

design and mounting

The compact, low-profile design incorporates a slim bezel and flat lens which blends discretely into the ceiling.

A compact adaptor is also available to suit surface-mount besa-box installations.