sensors and multisensors

Sensors maximise energy-efficiency by relating lighting to occupation and the amount of daylight contribution.

Delmatic sensors provide passive infra-red presence detection, absence detection, and daylight-linking, accept switching, dimming & 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 sensors are designed for total versatility in installation, and can connect to plug-in modules, daisy-chain on a common bus, and wire directly to a Dali buswire, saving materials, time and money.

The small diameter, low-proifile contemporary design incorporates a single piece lens and bezel which blends discretely into the ceiling.

multisensor

product ref: **164B1**

The **multisensor** optimises energy-efficiency by combining passive infra-red presence / absence detection with daylight linking 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** detection 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 that enables users to adjust lighting levels using an **infra-red transmitter**, and accepts lighting, blind, temperature & set-point data from **touchpads** so lighting, heating & cooling are linked to occupancy.
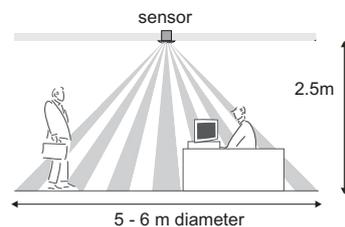
personal infra-red transmitter

touchpad

presence detector

product ref: **163B1**

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 time-out is also software configurable with a default of fifteen minutes.

detection field

The sensor provides a circular detection field with a diameter typically twice the mounting height.

sensor

2.5m

5 - 6 m diameter

installation

Delmatic **Sensors** are totally versatile in installation and can connect to the lighting control network in a variety of ways. Sensors can:

- plug directly into ports on Dali Plug-in modules
- connect to the intelligent control bus from any module
- connect to the Dali Broadcast channel buswire
- connect direct to the Dali buswire

dimensions

height above ceiling		35 mm
projection below ceiling		5 mm
body diameter		39 mm
bezel diameter		49 mm
cut-out diameter		**40 mm**