

QBUS DALI SENSOR (QDSEN)



1. Product Description

The Qbus Dali Sensor is a combined passive infrared (PIR) motion sensor and photocell, and is to be connected directly on a DALI network. Motion and light can hence be detected via this sensor, and can control a Qbus output via the Qbus Dali Interface (QDI). Installed at a height of 2,5 meters, the QDSEN can detect motion within 8 meters diameter and can detect presence within 4 meters diameter.

The configuration of the QDSEN takes place via the configuration of the QDI module. When assigning addresses via the Qbus Dali Interface, the QDSEN modules connected to that DALI network will appear as inputs in the list. Via the Qbus Configuration Software (System Manager) you can define to activate a specific output only if a certain light level and/or motion has been detected.

2. Safety Instructions

Read the complete manual before carrying out the installation and activating the system.

WARNING

- The device must be mounted and commissioned by an authorized electrician in accordance with the country-specific regulations.
- The module has to be connected to the DALI-bus.
- The device must not be opened. The guarantee provisions will be void when the module has been opened.

3. Mounting and wiring



Connect the QDSEN to the DALI-bus (DA-DA). The DALI-bus has no polarity. The connectors S1-S2 are not used.

Under the coverplate of the QDSEN, you will find switches to adjust local settings. These are not operational – all settings need to be done via the Qbus Configuration Software.



Flush mounting:



Surface mounting:



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A back-box for surface mounting is included in the QDSEN.

WARNING:

The QDSEN is designed to be ceiling mounted, and must satisfy following criteria:

- Avoid positioning the unit where direct sunlight may enter the sensor element.
- Do not install the sensor within 1 meter of any lighting, forced air heating / cooling or ventilation.
- Do not install the sensor on a vibrating or unstable surface.

- Operational temperature: 0°C to 45°C.
- Maximum humidity : 93%, no moisture condensation

PHYSICAL SPECIFICATIONS

- Protection Degree : IP40 if flush mounted, IP44 if surface mounted with back box.
- Installation : on DALI-bus.
- Weight : approx. 90 grams.

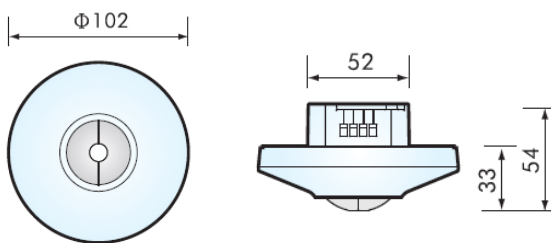
CE

- Complies with the EMC regulations and low voltage regulations. The device complies with EN50090-2-2 (1996) +A1(2002) +A2 (2007) en EN61000-6-3, EN61000-6-1 (2007)

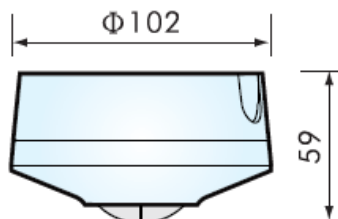


4. Dimensioning

Dimensioning of the QDSEN in mm.



Dimensioning of the unit with included back box for on wall mounting:



7. Guarantee provisions

Period of guarantee : 2 years from date of delivery.
 Guarantee will not be accepted if the device has been opened! Before sending back faulty devices, an RMA-form needs to be requested at:

Qbus N.V.

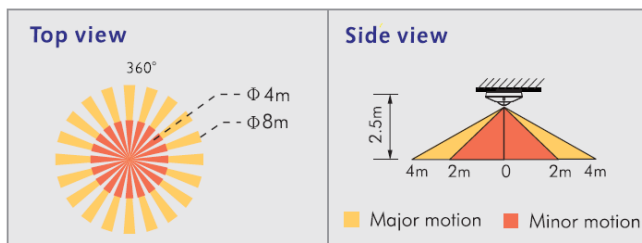
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Email : support@qbus.be

5. Detection zones



6. Technical Data

GENERAL SPECIFICATIONS :

- Power supply : DALI-bus