

SENSOTEC NET Generation - Q & A

Do the sensors also communicate with each other? Does a signal from one sensor affect another(s)?

On mesh network, sensors send their data and the logic is in individual products (in each luminaire in each sensor). But you can also create groups in configuration and then define how the group behaviour should look like.

Can HF also be used outdoors?

There are products from STEINEL Vertriebs GmbH in Germany that can be used outdoors (IHF 3D). The product you saw in the presentation is designed for indoor use. All our SENSOTEC NET products are for indoor use.

Is there an option of daylight control?

Constant light control is integrated in the sensor and all products are also equipped with a daylight sensor.

Is it possible to measure the number of people in the area? e.g. with the HF sensor?

Person detection is not possible. This can be covered by a STEINEL camera system. We have other products in our portfolio to enable detection. We would be happy to provide further information on this if you are interested. We are, however, about to count people via PIR RF technology instead of camera systems.

How is the future provision of the interface for a higher-level BMS planned?

Currently we are not ready yet. But we are working on being able to present a gateway solution. At the moment, we have set up an in-house demo version to test this. You can find the link to the use case here: <https://www.steinell.de/de/oem-solutions/iot-use-case/>.

Will there be a gateway that makes data from mesh available via a common bus standard (e.g. BACnet)?

Yes, but a timeline for this is not yet clear.

Will there be a gateway from KNX to Dali?

The system does not offer this, because we have deliberately defined it as a wireless system. Access via configuration and commissioning is tackled via Bluetooth connection. So, it is not possible to access devices via a wire connection. What was shown is the gateway possibility will exist. There you can bring the whole mesh network into cloud via gateway.

Do the SENSOTEC sensors offer DT8 control?

We do not currently have this function in our SENSOTEC sensors. However, it is a simple extension, which we would be happy to look at with you in the event of a specific enquiry.

Will STEINEL also supply the gateway in future or just the sensor technology?

Yes, gateways are on the roadmap.

More detailed information on IP protection class

Our Highbay sensors all have an IP protection class IP65. There is an integrated sealing ring in the plastic ring. So, when the sensor is installed in the luminaire, it seals in such a way that we can guarantee IP65. With a smaller sensor, i.e. the HF module, it is usually the case that this is integrated into the luminaire and thus has a protection class of the luminaire. The sensor with the lowest protection class is the PIR sensor with IP20 since the lens is not sealed to the housing. All housings are ultrasonically welded.

For which temperatures is the Zhaga solution approved?

We have tested sensor detection in the range of -20 to +50 degrees Celsius. However, should the requirement go below -20 or above +50 degrees, we are happy to run further tests in this environment in order to develop a customised solution, if necessary.

Are the sensors designed according to Zhaga Book 20?

Currently we do not comply with Zhaga Book 20. This would certainly be feasible with a customized mechanical solution. Currently, the Zhaga socket we use is designed according to Zhaga Book 18.

Do you also provide DALI bus power supplies?

No, we do not offer separate DALI bus power supply that you saw in Ronald's setup. You would have to obtain this from a dealer, where the standardised version can be obtained.

Is the app absolutely necessary or can it also be configured via the DALI gateway in KNX?

The app is necessary.

All SENSOTEC Net sensors are currently available as samples. If required, please send an e-mail to andrea.lachner@steinel.ch or sensotec@steinel.ch so that we can send you the desired sample.

Series production will start in April 2021.

The most important links

[SENSOTEC Documents & Data](#)

All important downloads for the SENSOTEC portfolio.

[IoT Use Case](#)

SENSOTEC NET offers another option for integrating live data from a SENSOTEC module in a luminaire into a BMS platform via Bluetooth Mesh (SIG).

[STEINEL Solutions Media Room](#)

Exciting content about us and our services at a glance incl. web seminars.



Thank you for your interest in the SENSOTEC portfolio.

We are happy to answer any questions you may have!

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