

### **Avenar all-in-one 4000 signaling device sets new standards in fire protection**

Visual and audible alarm with minimal power consumption

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- ▶ Complete solution through optional combination with all Avenar fire detectors
- ▶ Up to 125 devices per ring bus due to innovative power concept
- ▶ Simple installation by means of pre-assembly and plug-in terminals

Grasbrunn, Germany – With "Avenar all-in-one 4000", Bosch has introduced a new range of signaling devices that combine visual and audible alarms in a single unit. Optionally, any fire detectors from the Avenar family can also be combined with the signaling device in one unit, creating a cost- and space-saving complete solution that significantly reduces installation and maintenance effort. The signaling devices are certified to EN54-3 and EN54-23 category C, for ceiling mounting, and W, for wall mounting. Due to IP 42 protection they are suitable for almost all indoor applications.

#### **Up to 125 devices on one ring bus**

Avenar all-in-one 4000 features a low power consumption of 865  $\mu$ A, allowing up to 125 devices to be installed on just one ring bus. The devices do not require complex and expensive E-30 cabling to ensure functional integrity and uninterrupted alarming in the event of a bus failure. This is possible thanks to the integrated battery with a service life of up to 10 years.

"With up to 125 devices on one ring, we are defining a new category in fire protection," comments Sebastian Wehr, product manager at Bosch Building Technologies. "For planners, installers and operators, this opens up completely new possibilities and significant savings potential."

#### **Focus on usability**

While developing Avenar all-in-one 4000, Bosch placed particular emphasis on ease of installation and handling as well as flexible deployment options. For example, the signaling devices can be pre-assembled and are equipped with

plug-in terminals, which significantly simplifies and speeds up installation compared to screw terminals. For different areas of application, users can choose between three intensities for both visual and audible alarms. Optionally, any fire detector of the Avenar family can be combined with the signal transmitter. This allows fire detectors to be replaced separately as part of maintenance if required, even without replacing the signaling device, saving operating and maintenance costs.

### **Wide range of applications**

The combination of visual and audible alarms makes Avenar all-in-one 4000 particularly suitable for use in office buildings as well as in buildings with a lot of public traffic. It is in such environments that the new alarm devices really come into their own, as the dual alarm with visual and audible signal enables all persons to be warned - including the elderly or persons with disabilities. Due to the high protection class IP 42, even demanding production environments can be secured.

Avenar all-in-one 4000 is available in four versions – in combinations of red or white housing with red or white LED flashing light for visual alarm. The service life of the battery and detectors are matched to each other, so that no additional maintenance is usually required when the detector is replaced at regular intervals in accordance with the applicable standards. The new devices are integrated into Bosch's "Safety Systems Designer", a tool for easy planning of fire alarm systems.

**Press photo:** #c7d74ae5, #1a211176, #2c6c36ad

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