

Control the sound level to suit the situation: Pfannenber DS 5 DN sounder with “Day/Night” function

Transducer takes residents and ambient conditions into consideration

Hamburg, October 2009. Pfannenber is launching its new sounder from the DS 5 DN range with “Day/Night” function at the SPS/IPC/DRIVES trade fair in Nuremberg. Depending on the amount of ambient noise, the sound level of this product range can be reduced by means of an external control via an isolated contact. “If a machine also runs at night, the sound level of the alarm can be adjusted to a correspondingly lower level than during the day”, explains Volker Matthies, product manager at Pfannenber. The extent by which the sound level should be reduced can be pre-selected to suit the local conditions when installing the sounder by means of an integrated potentiometer. If the control input is activated, the sound level can be reduced by the number of dB required. In doing so, a sound level reduction of 0 to 20 dB is possible.

Sounder have to provide alarms nearly 24 hours a day in ports, container terminals, on conveyors in coal mining or conveyors supplying power stations, for example. At the same time, it is important to reduce the noise disturbance for residents in neighboring residential areas as far as possible. This is especially necessary in the evenings and at night, when ambient noise decreases. With the new Pfannenber transducers, operators can react to this directly by automatically switching over to a reduced sound level. The sounder can, however, also be used for applications in which the noise disturbance level varies over time and it is therefore reasonable to reduce the sound level of the alarm. A machine's different operating conditions are an example of this.

A further advantage is the option of a soft alarm: the sound level of the alarm is raised in steps, beginning with the pre-alarm, followed by the main alarm. By using a reduced sound level when the alarm starts to sound, the alarm can be prevented from startling people. Likewise, the signal reception range can be increased or decreased according to the ambient conditions. The DS 5 DN sounder is available in various tones for various alarm/signaling states with various sound levels; for example to distinguish the signal for a possible danger from the signal for the lunch break.



Pfannenberg sounder DS 5-DN with "Day/Night" function and various sound levels

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About Pfannenberg

Pfannenberg GmbH is a medium-sized company which provides innovative and high-quality electro-technology to the industry. Based in Hamburg and with further locations in England, France, Italy, the US, Singapore, China and Russia, the company has now become a global player in this industrial sector. The product portfolio includes components and system solutions for electrical enclosures, audible and visual signaling technology as well as other, client-specific solutions. A particular highlight in Pfannenberg's portfolio is the designed illuminations which are commissioned by architects, designers, and urban and spatial planners (www.art-illumination.com).

For more detailed information on Pfannenberg GmbH please see <http://www.pfannenberg.com>

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