

INTERLOCK SYSTEM FOR CLEAN ROOMS

- Operating of 32 clean area rooms using one control unit
- Possibility of control units chaining
- Creating of any number of door groups possible
- Control unit works even with other sensor types (PIR, infra, etc.)
- Addition of electric locks possible
- Operating of the interlock system via a computer or locally via LCD display interface
- Interlock system possible to connect to monitoring, measuring, and regulating system
- Interlock system supports higher functions like postponed signalling, different kinds of blocking, etc.
- Control unit works even with other sensor types (PIR, infra, etc.)
- Additional programming of any required functions available



DESCRIPTION

One of the most important conditions for clean rooms is the maintenance of the pressure drift in order to avoid contamination of the internal premises from the external environment. The critical points being entrances into environments with different cleanliness class, like doors to the personnel and materials pass-through. The interlock system serves as a protection device against disturbing these conditions. The interlock system SZ-2000 consists of two main parts: the control unit and the end signal lights. The clean rooms doors are divided into groups based on areas' pressure patterns. In case of any door of the given group being open, the signal lights will come on. In case the attendance staff ignores this warning signal and opens another door of the group, an acoustic warning signal sounds and eventual breach is reported to the central monitoring system (if these two systems are interconnected).

Using the function of creating door groups can answer even the most complicated solutions of people and material movements between areas with different cleanliness class, different pressure or any other differentiating

The microprocessor unit is operated using a smart interface. The operation is possible either locally or via a connected PC through a USB interface.

Within the scope of standard supply, the system includes an interlock unit capable of operating eight doors. Systems that are more extensive are dealt with by added additional modules, which are connected to the main board of the control unit.

The interlocking device is covered by three years manufacturer's guarantee.



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