

SINGH'S AUTOMATION

Clean Room Products

- Door Interlock System
- Man & Material Air Shower Controller
- Static and Dynamic Passbox Controller
- Laminar Air Flow Controller
- Bio-Safety Controller
- Temperature, Humidity and Pressure Monitors
- Real Time Clock

Door Interlock System



DESCRIPTION

Door Inter Locking System achieves in prevention of process area contamination by in **clean room areas & microbiological labs**, any personnel passing through an unclassified area to a classified area is required to pass through series of rooms. In each room certain steps need to be followed by defined guidelines prepared by various agencies around the world. This procedure ensures that the person is not carrying any external microbiological and particles contamination in to the process area and also the pressure in each room is maintained before opening of door.

- **Door Inter Locking System** Ensures that when one door for a room is OPEN then all other doors in that particular room are closed.
- In Emergency an override key is available on a push button module for all door's opening.
- Preventing simultaneous access of doors/Rooms.

TECHNICAL SPECIFICATIONS

FEATURES

Advanced Micro controller based.
Supports Maximum number of doors with the cascading of 2 Door and 3 Door Controlling systems as per user requirements.
Support more than 99 Doors in cascading.
Supports Emergency & fire alarm Stations.
Sequence of door inter Locking is field configurable with the DIP SWITCH.
Delay between door openings 10 Sec.
Auto close time is 10 Sec.
Facility available to read feed back from Magnetic Lock.
Easy to installation & user friendly wiring.
Soft touch Membrane keypad.

OPTIONAL FEATURES

Supports Access control module interface.
Available Doors Real Time Event Logging and output to PC Connectivity.

SPECIFICATIONS

Door Access Panel Inputs & Outputs

Inputs : 2 No, switches. per door .
Outputs : 2nos. led indicator per switch.

Control Card Digital Inputs & Outputs

Inputs : 1No, per door .
Outputs : 1 relay output 230V / 5 A .

Programming

Logic sector DIP switches for Door control sequencing.

Power

90 to 260 VAC @ 50 Hz

Environmental

Temperature : -25 to 50°C.
RH : 10 – 95%, Non-condensing.

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