

Clean Room Solutions-Biological Safety and Automations

PASS BOX CONTROLLER - SUPER Air Shower, Door Interlocking, Clean Room



Pass Box is used for material transfer from one Clean room to another clean room. It consists of a rectangular box with two doors. The two doors are interlocked such that both doors cannot be open at the same time, to prevent pressure losses and cross contamination.

Lux Lighting Pass Box Controller achieves this by ensuring that before Door 1 of a Pass Box is opened, the Door 2 is closed.

There are two LCD Display Cum Operator Panels (LCD Display Panels), one each to be mounted above each door. The panel has a 20x 4 Blue backlit LCD, information and status display for UV Time Totaliser, Door Status, etc. The LCD is also used during configuration of pass box.

Passbox Controller also has provision to connect UV lamp, CF lamp and FAN.

- Advanced controller based design.
- Door status indication on LCD display.
- User defined company name. (pre-dispatch setting)
- Operates electromagnetic locks with inbuilt door open sensor for door feedback.
- Adjustable delay time between closing of Door 1 and opening of Door 2 (and vice versa).
- Status indication on LCD display panel: GO, WAIT, DOOR OPEN, CLOSE DOOR.
- Buzzer output if door is kept open more than specified time.
- 4 special multi function keys ESC, UP, Down & Menu in program mode and use to operate CFL, UV, FAN if Manual/Automanual mode is selected.
- UV LAMP ON if both doors closed.
- CF LAMP ON when any door is open.
- UV life calculation in hours and minutes.
- Opposite door status indication by LED.
- Password protected.
- Etc.

Special Feature:

Password Protection
for Access Control

INTERNET OF THINGS
IOT
Remote Monitoring
and data logging

Battery Backup
Min 24Hr operation
Li-Ion Battery Backup for 24Hr Operation,
Built-In BMS and charger