



PHARMACEUTICALS



LABORATORIES



PAINT MANUFACTURING



BANKING

DOOR INTERLOCKING SYSTEMS PASS BOX INTERLOCKING SYSTEMS AIR SHOWER CONTROLLERS LAMINAR AIR FLOW CONTROLLERS

DOOR INTERLOCKING UNIT



ALLSECURE ENTERPRISES

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www.allsecure.in

We are delighted to have this opportunity to introduce our company to you 'ALLSECURE ENTERPRISES' is building solutions in the field of **Door Interlocking Systems, Pass Box Interlocking Systems, Air Shower Controllers & Laminar Air Flow Controllers**. We at 'ALLSECURE' are the leading manufacturer of the highest quality & widest range of advanced Interlocking Systems available in the market today. Our Interlocking units are made by using the most cutting-edge technology & best quality components. With over an 18 years manufacturing experience in this product category our Interlocking Systems have encompassed all the features required as per the industrial norms so that the product is not found inadequate on any grounds. Our core competency is customization of Interlocking System as per the client's special requirement if any, such as full integration with BMS (Building Management System).

EDGE

Allsecure's competitive advantage lies in its indigenous designs and manufacturing its products on an end-to-end design. Unlike other players, the company has complete control over the quality of all key components of in all the products – electronics, mechanical and plastic parts. The experience and expertise in designing and quick time-to-market creates flexibility for customization of products, as may be required. The company has successfully designed complex systems for Pharmaceutical Companies like Mankind Pharma, Sun Pharmaceuticals, Cipla Limited, Alchem International Pvt. Ltd., Pharma Force Lab, government undertaking like Ministry of Information Technology and many more (See Client List attached).

We are proud of being OEM Supplier to Clean Room & Partition Manufacturer Companies such as GMP Technical Solutions.

OUR CLIENTS



OUR CLIENT LIST

- GMP TECHNICAL SOLUTIONS PVT. LTD.
- Sun Pharmaceuticals.
- Cipla Limited
- Mankind Pharma
- Alchem International Pvt. Ltd.
- Jubliant Generics Ltd.
- Translunmia Therapeutics LLP
- Hollister Medical India Pvt. Ltd.
- Fortis Hospital Ltd.
- Pharma Force Labs Unit-I & Unit-II
- Skymap Healthcare Pvt. Ltd.
- Skymap Pharmaceuticals Pvt. Ltd.
- Rusan Pharma
- Fresenius Kabi Oncology Ltd.
- Sirmour Remedies Pvt. Ltd.
- BE Pharmaceuticals
- XL Pharmaceutical
- Gracure Pharmaceuticals Ltd.
- Concept Pharmaceuticals
- Pharma Force Labs
- Bal Pharma
- Unimedico Labs
- Iceberg Foods (RC Cola)
- SRP Enviro Systems
- VVF (India) Limited Baddi
- Bal Pharma Rudrapur
- Unimedico Labs, Selaqui
- Ginni Filaments, Haridwar
- CATTS Labs and Research Pvt. Ltd.
- Lotus Surgical Pvt. Ltd.
- Arbro Pharmaceuticals
- Welspun India Limited
- Wardex Pharmaceutical
- Welmed International Industries Ltd.
- Vibro Tech
- Tropilite Foods Pvt. Ltd.
- Imperative Hospitality
- Flakt Woods
- Eating Food & Beverage Pvt. Ltd.
- Shree Krishna Analytical Services
- Devine Meditech
- Beardsell Limited
- A&S Industrial Technik Private Limited
- Blue Sky Systems
- Harman Finochem Ltd.
- Meridian Infotech Ltd.
- Medicamen Biotech Ltd.
- N Plus One Tech Solutions
- Ozone Overseas Pvt. Ltd.
- U.P. Scientific Industries
- Unimax Laboratories
- Welspun Advanced Textiles
- VS Electric Co.
- Aero Biotechniques
- SVS Cleanroom & Engg. Sys. OPC P. Ltd.
- Aanay Hitech Pvt. Ltd
- Tycoon Communication Systems
- Ozone Overseas Pvt. Ltd.
- Datt Mediproducts
- PM Technologies, Bangalore
- Anand & Anand
- ANS Services
- Baaztech Automation
- Yash Paper Limited
- Aditya Pharma Tech
- ISGEC Heavy Engineering Ltd.
- Star Scientific Instruments
- Razormed INC Gurgram
- Nitin Scientific Instruments
- Neelam Glass & Aluminium House
- Kleanaer Systems
- Guru Kripa Projects
- Shree Naina Group
- Transhealth Pvt. Ltd.
- R.P.L. (India) Pharmaceuticals Pvt. Ltd.
- Maxmed Life Sciences Pvt. Ltd.
- Mediforce Research Pvt. Ltd.
- PES Installations Pvt. Ltd.
- Forever Lifescience Pvt. Ltd.
- Sapinfra Technologies Pvt. Ltd.
- Bala Ji Cleanair Solution
- SAR Clean Air Solution
- ABS Air Tech Pvt. Ltd.
- Mangla Sons Private Limited
- Verve Human Care Laboratories
- Medicamen Biotech Ltd.
- Kimia Biosciences Limited
- Advanced Medtech Solutions Pvt. Ltd.
- Aircity HVAC Equipment Pvt. Ltd.
- ATE Projects Pvt. Ltd. & more

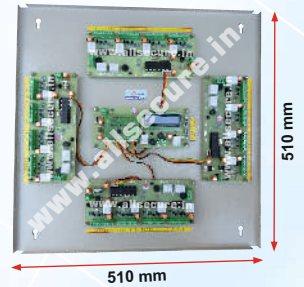
ALLSECURE CERTIFICATIONS



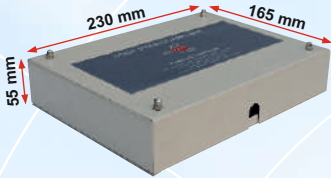
DOOR INTERLOCKING SYSTEM

DESCRIPTION:

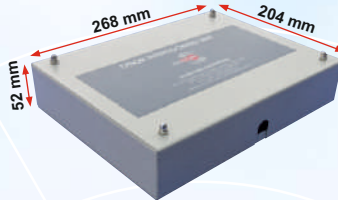
The Interlocking system ensures that out of the N number of doors locked by an interlocking controller, only one door at a time will open and other doors remain closed even if a request is placed to open any one of them. This effectively warrants air passing through and minimizes microbiological and particulate contamination of the Air locked area and restricts unwanted passage from one area to another.



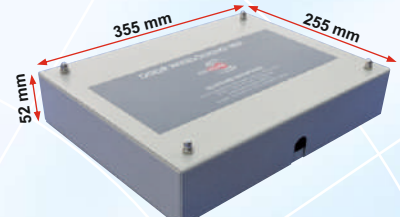
8-16 DOOR CONTROLLER



2 DOOR CONTROLLER



3-4 DOOR CONTROLLER



5-7 DOOR CONTROLLER

FEATURES

- Industrial & Aesthetically designed I.C based Controller, Controlling 2-16 Doors.
- Master & Slave Design (8 to 16 Door) :-
 - i) Customer can program Logic for door interlocking at his own end as per his requirement.
 - ii) Upto 4 Slave Cards (upto 4 doors in each card) can be programmed with the Master Card. So total number of doors can be 16.
- LCD Display (8 to 16 Door) :-
 - i) For Programming
 - ii) For seeing doors interlock Logic
- Master & Slave PCB Design : In case malfunctioning, entire Interlocking Controller can be replaced within 15 seconds by supplanting a new PCB without using any tools, or touching any wires.
- Fully programmable time interval for lock opening
- Clearly marked connections on the PCB.
- REX Switch with Clear door status indication : **Locked**, **Wait**, **Go** (if any of the other doors is open)
- Soft touch key on the REX switch 
- Buzzer sound on the emergency switch.
- Emergency Switch Integration for overriding the system.
- Access Control Integration for authorized only entry.
- UV Light & Air Curtain Integration.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Privacy Feature with Soft touch Privacy Switch (Wait Light will blink during use).

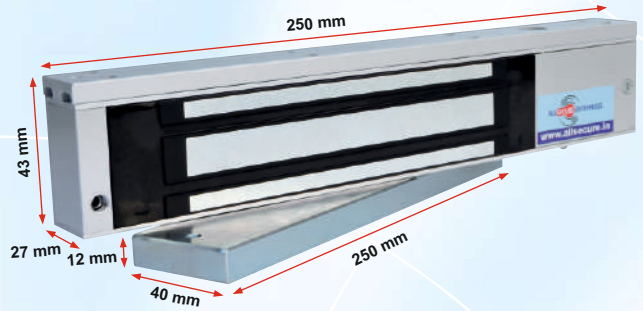
WORKING :

- At the default stage all doors connected to the unit are closed & locked. The Rex switches on all the doors indicate the status as **Locked**. 
- The user approaches the door and presses the REX Switch (Request to exit). The indicator status on that particular door changes to **Go** and the door is unlocked for the user to pass. Simultaneously the indicator status on all the other door changes to **Wait**. Now a request placed by any other user on any other door indicating WAIT, will be declined.  
- After 5 sec (or whatever time programmed), the unlocked door also gets locked and the interlocking system is resumed to default stage ready for use.

DOOR INTERLOCKING SYSTEMS (ACCESSORIES MAIN)

EM Lock 600LBS

Model	: 600C-SP
Lock Size	: 250 x 48 x 25 mm ³
Magnet	: 250 x 43 x 27 mm ³
Armature	: 160 x 40 x 12 mm ³
Voltage	: 12 V
Current	: 700mA at 12V
Holding Force	: 600 LBS
Unit Weight	: 1.8kg (Approx.)
Suitable For	: Wooden Door, Glass Door, Metal Door, and Fire Proof Door
Feature	: Fail Safe



Rex Switch Options with Status Indicators: 2 LED / 3 LED



Button / No Touch to unlock the door & and LED's clearly indicating the status of door such as **Locked**, **Wait**, **Go**.

This helps eliminating confusion in the users mind and hence eliminates needless fiddling with the doors.

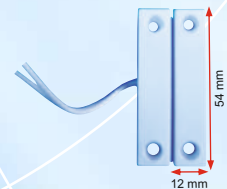
Emergency Switch in SS (Soft Touch)

Button to override the interlocking system & unlock all the doors at the same time incase of emergency such as fire, gas leak etc. When activated all Rex Switches will show status as "GO".



Magnetic Contact Wired : 2 / 4 Wire

- Surface mount with Screw.
- Surface Mount with Screw and Adhesive tape (Optional) Mounting.
- Side Flanges for Easy mounting.
- 18" Long Wire Leads.
- Operate Gap 3/4" (19.0mm) min.



Power Supply

- Model: 12V 3/4/5/7/10/15/16/30 Amp
- AC IN: 130-270V 50/60Hz
- DC OUT: 12V
- Operating Temperature: 10-55 degree Celsius
- With Surge Protection
- With LED Indication



DOOR INTERLOCKING SYSTEMS (ACCESSORIES OPTIONAL)

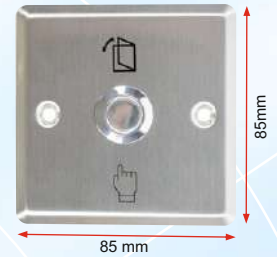
Privacy Switch:

Button to lock specified doors of the interlocking system while changing clothes. When the Privacy Switch is activated all Rex Switches will flash & Buzzer will sound.



3 x 3 Rex Switch Normal:

Exit switch is a push button switch, typically made of stainless steel, designed to be installed on doors to release a lock or gate, usually in conjunction with an access control system. It is a small, square switch with a push button on the front, and it's designed to be easily identifiable with an exit symbol.



No Touch Exit Switch

- Dimensions : 22Lx87Wx85H(mm)
- Input : 12 Volt DC
- With Colour Changing LED (Standby/ Sensation)
- Output Contact : NO/ NC/ COM
- Mechanical Life : 5,00,000 tested



2 / 3 Button LED Status Indications

- Operating voltage : DC 12V±10%
- Operating current : 300mA
- SS hairline 304 Finish
- Go, Wait, Locked Indications



2 LED For Access Entry Door



3 LED For Access + Interlocking Entry / Exit Door

Access Control Devices:

Card

- Operating voltage : DC 12V±10%
- Operating current : < 100mA
- Dimensions : 121×78×23mm
- Temperature : 0°C - 60°C
- Operating humidity : 20% - 80%
- Storage : 1000 users
- Card type : EM(ID) card (IC card for options)
- Card Reading Distance : 1 - 15CM



Finger Print (Without Data)

- Fingerprint Capacity : 500
- RFID Card Capacity : 500
- Password Records Capacity : 500
- Identification Mode : Fingerprint, RFID card, Pin
- FRR : < 1% & FAR : < 0.0001%
- Identification Time : < 0.5 Sec
- Power Adapter : DC 9V~12V



Finger Print (With Data + Card + Pin)

- Fingerprint Capacity : 10000
- Card Capacity : 10000
- Power Supply : DC 12V --- 1.5Amp
- Communication : RS485, TCP/IP, USB
- Dimension : (WxHxD) 210x157x40 mm
- Fingerprint Sensor : 500 DPI Optical sensor
- Transaction Capacity : 100000
- Operating Temperature : 0oC - 45oC
- CPU 800 MHz Processor- 32bit
- Operating Humidity : 20% - 80%
- Display : 2.8" TFT Color Screen



Siren Strobe

- Power Source : 12 Volt DC
- Rated Current : 500 mA
- Output Level : 110 dB/m
- Flashing / Min : 150



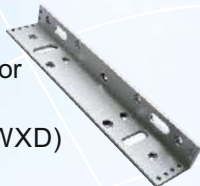
RFID Card & Tags

- Proximity RF frequency of 125 Khz.
- Mifare smart card frequency 13.56 Mhz.
- Transmit data through building material.
- Use for Access Control & Time Attendance.



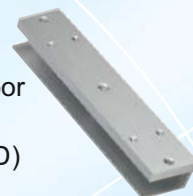
EM Lock L Bracket

- Opening Mode : 90 Degree Door
- Door Mode : 90 Degree Door
- Dimension : 250 x 48 x 30 (LxWxD)
- Weight : 0.378 Kg.



EM Lock U Bracket

- Opening Mode : In / Out-Swing Door
- Door Mode : 90 Degree Door
- Dimension : 180 x 43 x 28 (LxWxD)
- Weight : 0.42Kg.



DOOR INTERLOCKING SYSTEMS - FLAME PROOF ACCESSORIES

Rex Switch / Emergency Switch : Flame Proof

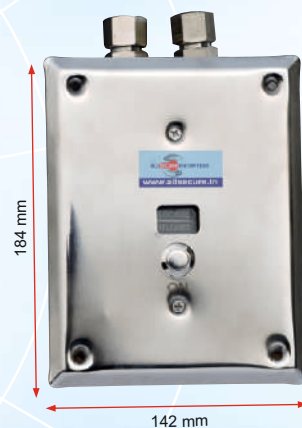
TE Report No.: KLPL/ Ex/ 15-065

Standards: IS/ I EC 60079-0: 2007, IS/ I EC 60079-1: 2007

Marking: EX D IIB T6 GB

Specification:

- LM-6 Alluminium Enclosure
- Display: Locked & Released (Emergency Button without Display)
- Dimension: 104 x 84 x 37
- SS Panel Dimension : 181mm x 140mm
- Powder Coated



EM Lock : Flame Proof

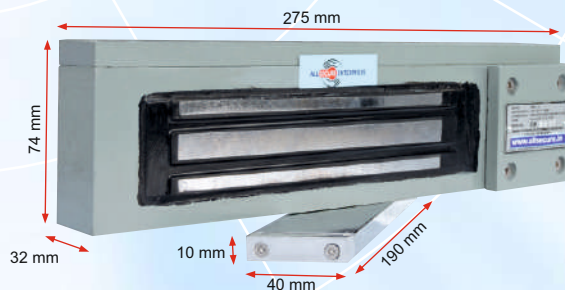
TE Report No.: KLPL/Ex/15-066X

Standards: IS/I EC 60079-0: 2007, IS/I EC 60079-1: 2007, IS/I EC 60079-18: 2009

Marking: Ex d mb IIB T6 GB

Specification:

- Voltage Tolerance: 15%
- Voltage Input: 12/24V DC
- Current Draw: 480MA AT 12VDC; 240MA AT 24VDC
- Magnetic Contact For Door Status (No Type)
- Holding Force: 600LBS(272KGS)



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PASS BOX INTERLOCKING SYSTEM

DESCRIPTION:

The Interlocking System ensures that out of the Number of doors locked by an Interlocking controller, only one door at a time will open and other doors remain closed even if a request is placed to open any other door. This effectively warrants air passing through and minimizes microbiological and particulate contamination of the air locked area and assists in sterilization of products placed inside the pass box, through exposure under UV lights.

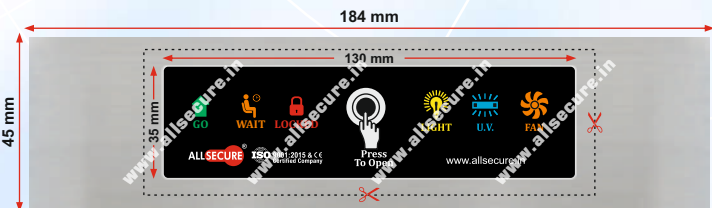
OUR RANGE OF PASS BOX INTERLOCKING SYSTEMS

Our range of Pass Box Interlocking Systems offer Dynamic, Static & Timer based Pass Boxes, available in 2-4 Doors.

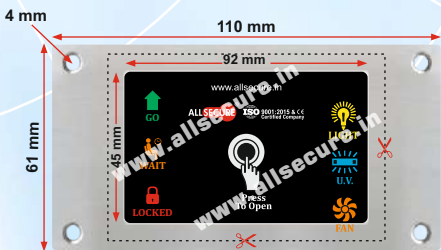
PASS BOX INTERLOCKING - NORMAL



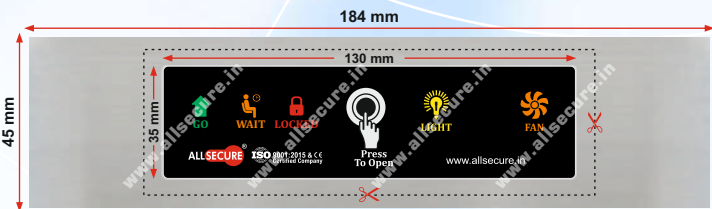
TYPES OF DISPLAYS - NORMAL PASS BOX



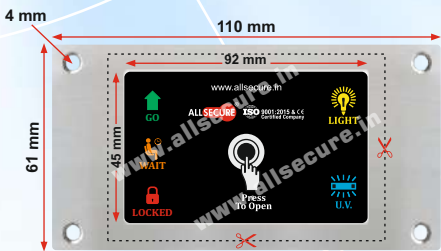
DPB SLIM Type



DPB B Type



SPB SLIM Type



SPB B Type

FEATURES

- Industrial & Aesthetically designed I.C. based Controller, Controlling 2 Doors
- Mother & Host PCB Design: In case malfunctioning, entire Interlocking Controller can be replaced within 15 seconds by supplanting a new PCB without using any tools, or touching any wires.
- Fully programmable time interval for lock opening.
- Clearly marked connections on the PCB.
- Display Panel with Switch & Clear door status indications: **Locked**, **Wait**, **Go** (if any the other doors is open). This helps elimination confusion in the users mind and hence eliminates needless fiddling with the doors.
- Soft touch Button  on Display Panel.
- Emergency Switch Integration to override the system.
- Buzzer sound on pressing Emergency Switch.
- Access Control Integration for authorized entry only.
- Extra Auxiliary Output.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Door open Alert (Time Programmable).
- Fully Programmable Logic: UV:OFF/ON/24 hrs., LT: OFF/ON/24 hrs. & FAN: OFF/ON/24 hrs.



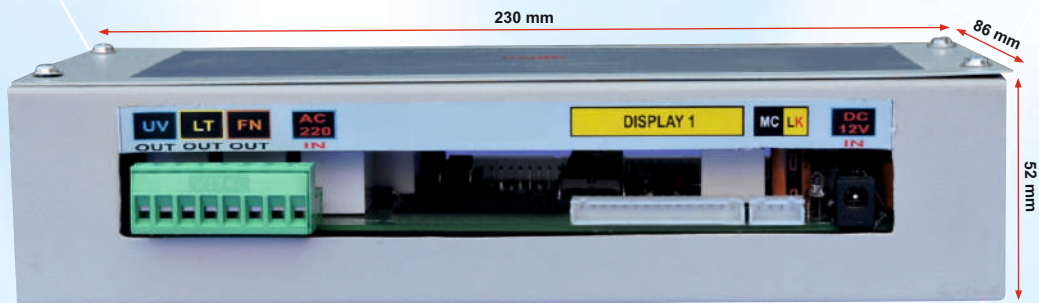
WORKING :

1. At the default stage all doors connected to the Pass Box Controller are closed & locked. The Display switches on all the doors indicate the status as "Locked". The UV light is on while the Fan and CFL are off (on auto mode).
2. The user approaches the door and presses the  Switch (Press to Open). The indicator status on that particular door changes to "GO" and the door is unlocked for the user to place the product inside the pass box, Simultaneously –
 - i) The indicator status on all the other door changes to "WAIT".
 - ii) The UV Light is turned Off.
 - iii) The FAN & CFL are switched On.
3. During the procedure a request placed by any other user on any other door Indication **Wait**, will be declined.
4. After the door that had been opened by the user is closed, the following functions take place simultaneously:
 - i) The FAN & CFL will be switched off.
 - ii) The UV Light will be turned on.
 - iii) Status Indicators on all doors changes from **Wait** to **Locked**.
 - iv) UV/LIGHT/FAN can be customised as per requirement to function on Door OPEN/DOOR CLOSE/24 HRS.



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PASS BOX INTERLOCKING - DELUXE



FRONT



BACK

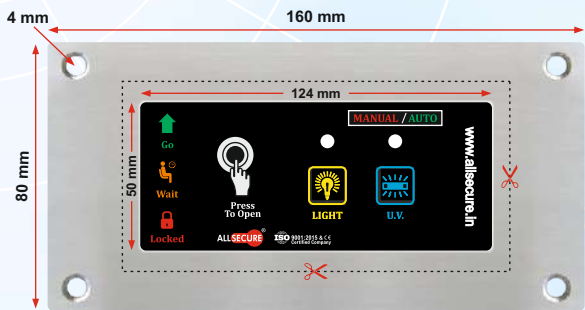
TYPES OF DISPLAYS - DELUXE PASS BOX

DPB TYPE



Soft Touch Button

SPB TYPE



Soft Touch Button



SS Button



SS Button

FEATURES

- Industrial & Aesthetically designed I.C. based Controller, Controlling 2 / 3 Doors.
- Mother & Host PCB Design: In case malfunctioning, entire Interlocking Controller can be replaced within 15 seconds by supplanting a new PCB without using any tools, or touching any wires.
- Fully programmable time interval for lock opening.
- Clearly marked connections on the PCB.
- Display Panel with Switch & Clear door status indications: **Locked**, **Wait**, **Go** (if any the other doors is open). This helps elimination confusion in the users mind and hence eliminates needless fiddling with the doors.
- Soft touch / SS Button  or No Touch Sensor on Display Panel.
- Emergency Switch Integration to override the system.
- Buzzer sound on pressing Emergency Switch.
- Access Control Integration for authorized entry only.
- Extra Auxiliary Output.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Door open Alert (Time Programmable).
- Fully Programmable Logic: UV:OFF/ON/24 hrs., LT: OFF/ON/24 hrs. & FAN: OFF/ON/24 hrs.



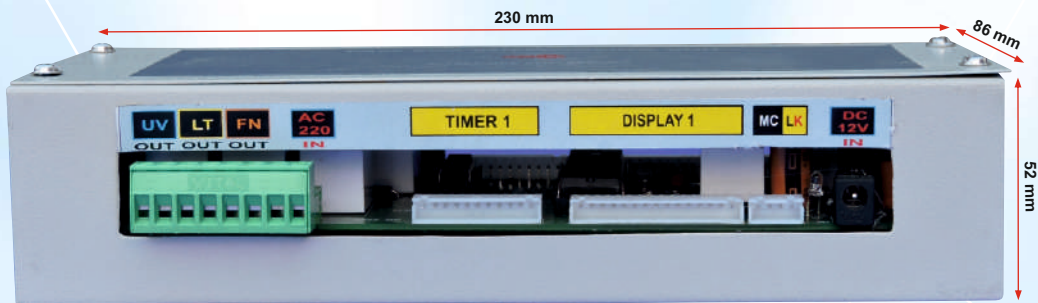
WORKING :

1. At the default stage all doors connected to the Pass Box Controller are closed & locked. The Display switches on all the doors indicate the status as "Locked". The UV light is on while the Fan and CFL are off (on auto mode).
2. The user approaches the door and presses the  Switch (Press to Open) or waves in front of No Touch Sensor. The indicator status on that particular door changes to "GO" and the door is unlocked for the user to place the product inside the pass box, Simultaneously –
 - i) The indicator status on all the other door changes to "WAIT".
 - ii) The UV Light is turned Off.
 - ii) The FAN & CFL are switched On.
3. During the procedure a request placed by any other user on any other door Indication **Wait**, will be declined.
4. After the door that had been opened by the user is closed, the following functions take place simultaneously:
 - i) The FAN & CFL will be switched off.
 - ii) The UV Light will be turned on.
 - iii) Status Indicators on all doors changes from **Wait** to **Locked**.
 - iv) UV/LIGHT/FAN can be customised as per requirement to function on Door OPEN/DOOR CLOSE/24 HRS.
 - v) Dedicated buttons for **LIGHT** **U.V.** **FAN** for manual operations.

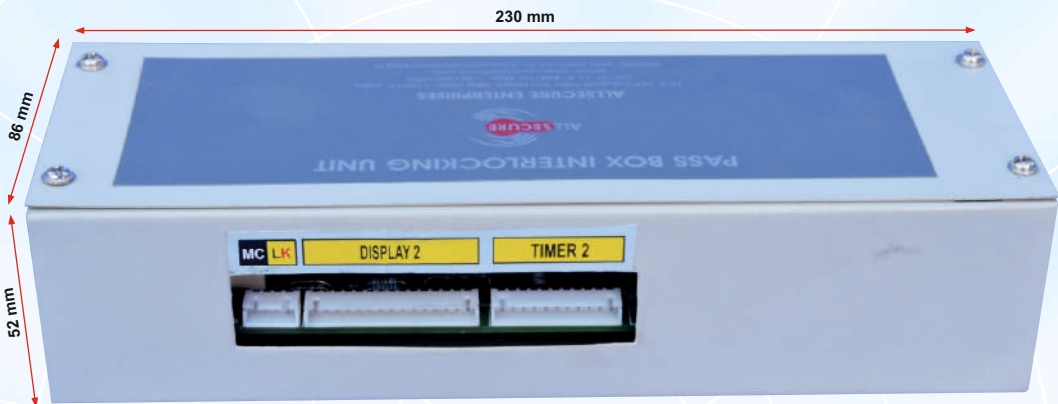


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PASS BOX INTERLOCKING - TIMER



FRONT



BACK

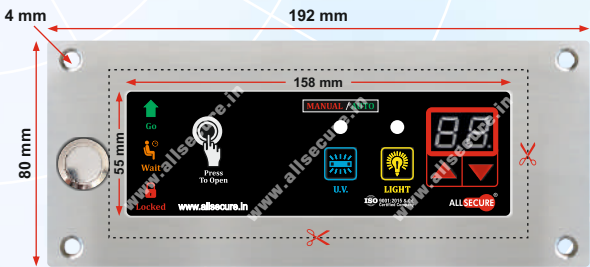
TYPES OF DISPLAYS - TIMER PASS BOX

DPB TYPE



Soft Touch Button

SPB TYPE



Soft Touch Button



SS Button



SS Button

FEATURES

- Industrial & Aesthetically designed I.C. based Controller, Controlling 2 / 3 Doors.
- Mother & Host PCB Design: In case malfunctioning, entire Interlocking Controller can be replaced within 15 seconds by supplanting a new PCB without using any tools, or touching any wires.
- Fully programmable time interval for lock opening.
- Clearly marked connections on the PCB.
- Display Panel with Switch & Clear door status indications: **Locked**, **Wait**, **Go** (if any the other doors is open). This helps elimination confusion in the users mind and hence eliminates needless fiddling with the doors.
- Soft touch / SS Button  or No Touch Sensor on Display Panel.
- Emergency Switch Integration to override the system.
- Buzzer sound on pressing Emergency Switch.
- Access Control Integration for authorized entry only.
- Extra Auxiliary Output.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Door open Alert (Time Programmable).
- Fully Programmable Logic: UV: OFF/ON/24 hrs., LT: OFF/ON/24 hrs. & FAN: OFF/ON/24 hrs.
- Timer Countdown on Display Panel.



WORKING :

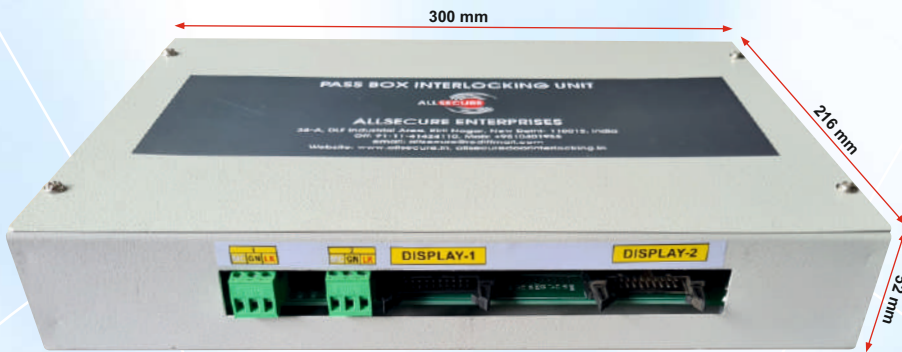
1. At the default stage all doors connected to the Pass Box Controller are closed & locked. The Display switches on all the doors indicate the status as "Locked". The UV light is on while the Fan and CFL are off (on auto mode).
2. The user approaches the door and presses the  Switch (Press to Open) or waves in front of the No Touch Sensor. The indicator status on that particular door changes to "GO" and the door is unlocked for the user to place the product inside the pass box, Simultaneously –
 - i) The indicator status on all the other door changes to "WAIT".
 - ii) The UV Light is turned Off.
 - iii) The FAN & CFL are switched On.
3. During the procedure a request placed by any other user on any other door Indication **Wait**, will be declined.
4. After the door that had been opened by the user is closed, the following functions take place simultaneously:
 - i) The FAN & CFL will be switched off.
 - ii) The UV Light will be turned on.
 - iii) Status Indicators on all doors changes from **Wait** to **Locked**.
 - iv) UV/LIGHT/FAN can be customised as per requirement to function on Door OPEN/DOOR CLOSE/24 HRS.
 - v) Dedicated buttons for **LIGHT**  **U.V.**  **FAN**  for manual operations.
 - vi) Dedicated 8 segment display for setting the fan timing and count down display.



TIMER PASS BOX INTERLOCKING PROGRAMMING:

1. Keep ▼ ▲ Both arrow switches on the Display pressed simultaneously for 10 seconds.
2. The display will show programmed time and will keep on flashing.
3. Press ▼ Down arrow or up arrow ▲ to decrease or increase the timing to desired level.
4. After setting the time, do not press any key and the system will come out of programming mode after 30 seconds.

PASS BOX INTERLOCKING - LCD



DISPLAY - LCD PASS BOX



FEATURES:

- Industrial & Aesthetically designed I.C. based Controller, Controlling 2/3 Doors.
- Backlight LCD Display Showing:
 - i) CFL Light, UV Light & Fan status – On / Off.
 - ii) CFL Light, UV Light & Fan status – Auto / Manual.
 - iii) Door status – Open / Closed.
 - iv) U.V. Hours Display.
 - v) Other Door Status – Locked / Wait.
 - vi) Buzzer Alert (If activated).
- Password Protected Menu Entry (For authorized personnel use only).
- Fully programmable time interval for UV Light & Fan.
- Timer Time Selection for operation of UV Light, Fan – Minutes / Seconds.
- Fully programmable Door Open Time Limit.
- Buzzer Sound (When buzzer is activated on exceeding door open time limit).
- Programmable Selection for UV Light Operation – On Door Closed / On Timer.
- Programmable Selection for Fan Operation – On Door Open / On Door Closed / On Timer / 24 hours.
- UV Hours Reset Option.
- No Touch Or SS Button for Door Opening.
- Emergency Switch Integration for overriding the system.
- Access Control Integration for authorized entry only.
- Extra Auxiliary Output.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Dedicated Buttons for Manual Operation



LIGHT



U.V.



FAN

WORKING :

1. At the default stage all doors connected to the Pass Box Controller are closed & locked.
2. The LCD on all the doors will alternatingly Display :



- i) CFL Light, UV Light & Fan status – On / Off
- ii) Door Status - Locked
- iii) CFL Light, UV Light & Fan status – Auto / Manual.

And



Door status – Closed & UV Hours Display.

3. At Default Stage the following are the settings:

- i) TIMER TIME SET – 05 Seconds.



- ii) TIME MIN / SEC – Seconds.



- iii) DOOR DELAY TIME – 25 Seconds.



- iv) UV ON – Door Closed.



- v) FAN ON – Door Open.



- vi) UV HRS RESET – No.



4. The user can select out of the following options available in the menu, to operate the system as per his requirement :

- i) Timer Time Set – 0 to 99 (Seconds or Minutes).
- ii) Time MIN / SEC – Seconds or Minutes.
- iii) Door Delay Time – 0 to 99 Seconds.
- iv) UV ON – Door Closed / Timer.
- v) FAN ON – On Door Open / On Door Closed / On Timer / 24 hours.
- vi) UV HRS RESET – No / Yes.

5. The UV light is on while the Fan and CFL Light are off (on auto mode).

6. The user approaches the door and presses the Switch  (Press to Open) OR waves incase of No Touch sensor. The indicator status on that particular door changes to “OPEN” and the door is unlocked for the user to place the product inside the pass box, Simultaneously –

- i) The UV Light is turned Off.



- ii) The FAN & CFL Light are switched On.

- iii) The indicator status on all the other door changes to “WAIT”.



7. During this procedure a request placed by any other user on any other door with "WAIT" Indication, will be declined.
8. After the door that had been opened by the user is closed, the following functions take place simultaneously:
 - i) The CFL Light & Fan will be switched off.
 - ii) The UV Light will be turned on. 
 - iii) Timer Count Down starts. 
 - iv) UV Hour Meter starts.
9. Once the cycle is complete the system comes back to default stage.
10. If the door that was opened by the user is not closed within the stipulated time (door delay time), then the Buzzer will be triggered until the door is closed and "BUZZER ON" will flash on the LCD display. 
11. User can use dedicated buttons for manual operations of CFL Light, UV Light & Fan. 

LCD PASS BOX INTERLOCKING PROGRAMMING:

1. Keep Both  &  Switches on the Display pressed simultaneously for 5 seconds.
2. The display will show 
3. The Default Password is "111". Select the password from the  &  and press  (Press to Open) or Wave Infront of the NO Touch switch to ENTER. 
4. Once inside the Menu, below mentioned options are available for selection to operate the system as per the user's requirement. The user can toggle between the options by using  &  the keys. For saving the option simply press the  (Press SS Button to Open) or Wave Infront of the NO Touch switch and move to the next option. 
- i) Timer Time Set – 0 to 99 (Seconds or Minutes).
 - ii) Time Min/ Sec – Seconds or Minutes.
 - iii) Door Delay Time – 0 to 99 Seconds.
 - iv) UV On – Door Closed / Timer.
 - v) FAN On – On Door Open / On Door Closed / On Timer / 24 hours.
 - vi) UV HRS Reset – No / Yes.
5. To exit the Menu, do not press any button for 10 second and the system will exit Programming Mode.



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LAMINAR AIR FLOW CONTROLLER

DESCRIPTION

Laminar air flow systems create a controlled environment by ensuring a uniform, unidirectional flow of filtered air, preventing contamination in sensitive areas like laboratories and manufacturing facilities. They achieve this by using HEPA filters to remove airborne particles and directing the filtered air in a single direction, effectively sweeping away contaminants.

FEATURES:

- Input : 12 volt DC & 220 volt AC
- Power On / Off Switch
- Clearly marked connections on the PCB
- SS 304 Finish
- Soft touch switches to manually operate Light, UV Light & Fan
- LED'S Indicating the status (On /Off) of Light, UV Light & Fan



WORKING:

1. At the default stage the power is Switched Off in the controller.
2. Press the Power button to Switch ON the controller.
3. Now, use the dedicated  **LIGHT**  **U.V.**  **FAN** buttons to On / Off the Light, UV Light & Fan as per the users requirement.

GARMENT CABINET CONTROLLER

DESCRIPTION

The primary role of a garment cabinet controller is to maintain and control the environment inside the cabinet, ensuring the stored garments remain clean and sterile.

FEATURES:

- Soft touch Switch  to unlock the door.
- Power On / Off Switch
- Clearly marked connections on the PCB.
- Input : 12 volt DC & 220 volt AC.
- SS 304 Finish.
- Soft touch switches to manually operate Light, UV Light & Fan.
- LED'S Indicating the status (On /Off) of Light, UV Light & Fan.
- Light, UV Light & Fan Functions on Auto Mode are programmable (to operate on door open /door close / 24 hours).



WORKING:

1. At the default stage the when the controller is Switched On,
 - i) Door will be locked (Em Lock)
 - ii) UV Light will be On
 - iii) CFL Light & Fan are Off. (Programmable)
2. The user approaches the door and presses the Switch (Press to Open). the following functions take place Simultaneously
 - i) The Door is unlocked for 5 seconds (Time is programmable)
 - ii) UV Light is turned off.
- 3 When the user opens the door , the FAN & CFL are switched On.
4. When the user closes the door, the following functions take place simultaneously –
 - i) The Door is Locked
 - ii) The UV Light is turned On (Time is programmable)
 - iii) The FAN & CFL are switched Off.

AIR SHOWER INTERLOCKING - TIMER

DESCRIPTION:

The Air Shower Interlocking System ensure that out of the N Number of doors locked by an Interlocking controller, only one door at a time will open and other doors remain closed even if a request is placed to open any one of them. This effectively warrants air passing through and minimizes microbiological and particulate contamination of the air locked area and assists in sterilization of person passing through the Air shower.

OUR RANGE OF AIR SHOWER INTERLOCKING SYSTEMS

In our range of Air shower interlocking Systems we offer 2 & 3 Doors controllers, available in both Vertical & Horizontal Displays with One side / all sides Blower operation (Programmable at site).

AIR SHOWER CONTROLLER



TYPES OF DISPLAYS - TIMER AIR SHOWER



AIR SHOWER DISPLAY 'A' Type
with Soft Touch Button



AIR SHOWER DISPLAY 'A' Type
with SS Button

FEATURES

- Industrial & Aesthetically designed I.C. based Controller, Controlling 2 / 3 Doors.
- Mother & Host PCB Design: In case malfunctioning, entire Interlocking Controller can be replaced within 15 seconds by supplanting a new PCB without using any tools, or touching any wires.
- Fully programmable time interval for lock opening.
- Clearly marked connections on the PCB.
- Display Panel with Switch & Clear door status indications: **Locked**, **Go**, **Wait** (if any the other doors is open). This helps elimination confusion in the users mind and hence eliminates needless fiddling with the doors.
- Soft touch / SS Button  or No Touch Sensor on Display Panel.
- Emergency Switch Integration to override the system.
- Manual override buttons to control LIGHT & FAN clearly indicating their function status On/Off & Auto/Mannual.
- Emergency Switch - Button to override the interlocking system & unlock all the doors at the same time in case of emergency such as fire, gas leak etc.
- Light & Air Curtain Integration.
- Buzzer sound on pressing the emergency switch.
- Access Control Integration for authorized entry only.
- Fire Alarm Integration.
- Emergency Siren Integration.
- Extra Auxiliary Output.
- Door open Alert (Time Programmable).
- Fully Programmable Logic for Entry / Exit.

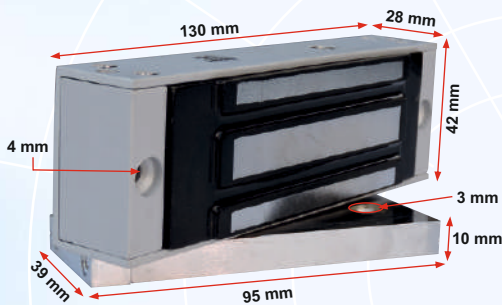
WORKING:

1. At the default stage all doors connected to the Air Shower Controller are closed & locked. The Display switches on all the doors indicate the status as  **Locked**. The Light & Blower are off (on auto mode).
2. The user approaches the door and presses the  Switch (Press to Open). The indicator status on that particular door changes to  **Go** and the door is unlocked for the user to pass. Simultaneously –
 - i) The indicator status on all the other door changes to  **Wait**.
 - ii) The Light (inside) is turned ON.
 - iii) The LIGHT indication on the Display turns on in green colour (Auto).
3. During this process a request placed by any other user on any other door indicating  **Wait**, will be declined.
4. Once the door is closed by the user upon entering the Air Shower enclosure.
 - i) The FAN (Blower) is turned ON.
 - ii) The FAN indication on the Display turns ON in green colour (Auto)
 - iii) All Doors get locked & Fan (Blower) is on for the duration of 20-30 seconds (time programmable at site).
 - iv) Countdown will begin in the Display Panel at the door.
5. After the programed time lapses, the exit door will get unlocked for 5-10 seconds, for the user to open and exit.
6. Once the exit door is closed, the cycle will be considered complete and Air shower controller will come back to Default State wherein :
 - i) The FAN & CFL will be switched off.
 - ii) All doors get locked.
7. Status Indicators on all doors change to  **Locked**.

AIR SHOWER CONTROLLER PROGRAMMING:

1. For one side blower operation:
 - i) Keep ▼ down arrow switch on the Display Panel 1, pressed for 10 seconds.
 - ii) The display will show and flash "A1". This means the FAN will work only while entering from Door 1.
2. For Both side blower operation:
 - i) Keep ▲ up arrow switch on the Display Panel 1, pressed for 10 seconds.
 - ii) The display will show and flash "A2". This means the FAN will work while entering from both Doors.
3. For Setting the timing of Fan:
 - i) Keep ▼ ▲ Both arrow switches on the Display pressed simultaneously for 10 seconds.
 - ii) The display will show programmed time and will keep on flashing.
 - iii) Press ▼ Down arrow or up arrow ▲ to decrease or increase the timing to desired level.
 - iv) After setting the time, do not press any key and the system will come out of programming mode after 30 seconds.

PASS BOX ACCESSORIES

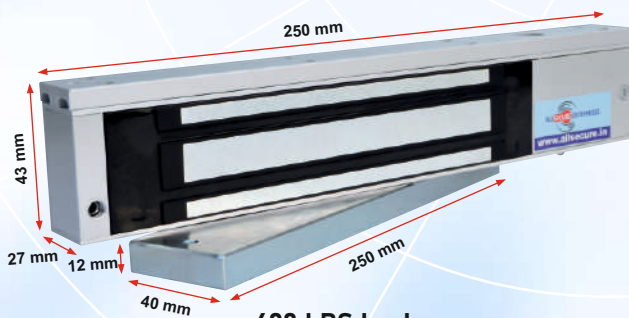


300 LBS Lock



Power Supply

AIR SHOWER ACCESSORIES



600 LBS Lock



Power Supply



Emergency Switch

Disclaimer : The Products, Models, Features & Specifications change time to time and might no be reflected 100% accurately in the Company Brochure.

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