



# STERILIZER

Safe guard Corona Virus

Powered by Ultraviolet rays

**TRANSIT**  
*Secure hand over*

Multipurpose pass tunnel for contactless secure hand over of documents/items



Kills 99% SARS-CoV-2 Viruses\*



Tested & certified by ICMR approved laboratory



[www.blueminkinnovations.com](http://www.blueminkinnovations.com)



## UV DISINFECTION

The Ultraviolet (UV) rays have been widely used in medical labs for the last four decades for sterilizing airborne flu viruses. The international Ultraviolet Association (IUVA), based on their experiments report that UV rays can be effectively utilized for disinfecting SARSCoV-2, the virus that causes COVID-19. The applicability of UV C rays in the wave length ranging from 200nm to 290nm, in disinfecting the airborne flu viruses has been reported in the study conducted by Centre for Radiological Research at Columbia University Irving Medical Centre (CUIMC). UV light is the latest popular tool in the ongoing race to find ways to prevent oneself from catching SARSCoV-2. The prototype developed by Bluemink Innovations in the Centre for Innovation Technology Transfer & Industrial Collaboration, Cochin University of Science & Technology has been tested in ICMR approved Rajiv Gandhi Centre for Biotechnology, Trivandrum and certified that the UV sterilizer is 99% efficient in surface disinfection of materials containing SARSCoV2 Virus under controlled conditions.

## ABOUT US

Bluemink is a collective of Researchers, Technologists, Innovators and Health Experts across the globe continuously striving for Innovation that could redefine the wellness and quality of life, providing solutions to real world problems. Activities of Bluemink is centered in India at the Centre for Innovation Technology Transfer and Industrial Collaboration (CITTIC), Cochin University of Science and Technology. We are contemporary yet bona fide, continually advancing with a vision to enable artificial intelligence as a transformative force that drives the broader scope of technology's human roots, to engage in the history as a mechanism of recursive improvement by the development of new technologies that in turn reform the social organization to develop yet more advanced technologies. Bluemink Innovations' perspective pivots around people, holding fast to their technological needs. Currently we are stay tuned to the hygiene challenges and cater to the evolving needs of the society to fight the pandemic for the new normal transformation. We fathom our customers and offer ideal products and new experiences through consistent innovations reliably to bestow life redefined.



**HOUSEHOLD APPLICATIONS**

Clothes, Jewellery, Newspapers, Toys, Delivery packs, Wallets, Crockery, Spectacles, Mobile Phones etc



**MEDICAL APPLICATIONS**

Masks, Goggles, Face shields, Patient Documents, Stethoscopes, Surgical tools etc



**COMMERCIAL APPLICATIONS**

Currency notes, Documents, Files, Catalogues, Brochures etc



**SALON & SPA APPLICATIONS**

Towels, Combs, Scissors etc

Spectacles



Mobile phones



Stethoscope



Gloves



Jewellery



Mask



Plates, crockery



Currency



Wallets



Documents



Goggles



Vegetables, fruits



# TRANSIT

## SECURE HANDOVER



### OPERATING PRINCIPLE

EXTERNAL DIMENSION : H X W X D (MM)

INTERNAL DIMENSION-USABLE : H X W X D (MM)

INTERNAL USABLE VOLUME

WEIGHT (KG)

RECOMMENDED SANITISATION TIME (APPROX)

UV-C LIGHTS: WATTAGE/TUBE (W)

UV WAVELENGTH

UV-C LAMP LIFE

DOORS

CYCLE TIME

AUDIO VISUAL ALARM

AUTO UV-C CUT-OFF SAFETY SWITCH

### ELECTRICAL SPECIFICATIONS

### WARRANTY

### SHORT WAVE UV-C RADIATION BASED DISINFECTING OF SURFACES FROM GERMS, BACTERIA AND VIRUSES.

375 X 455 X 360

316 X 358 X 298

34L

12

30 SECONDS

PHILIPS 11W – 2 NOS

253.7 NM

~ 9000 H (FURNISHED BY PHILIPS IN PRODUCT DATA SHEET)

DUAL

MANUAL CONTROL

YES


YES

SUPPLY VOLTAGE 220V -240V | SUPPLY CURRENT 5A |  
OPERATING FREQUENCY 47 -53HZ


SIX MONTHS STANDARD PRODUCT WARRANTY




## DESIGNED FOR

- 


**Reception desk**

  - Hotels
  - offices
- 


**Cash counters**

  - Banks
  - Establishments
- 


**Bill desk**

  - Shopping malls
- 

**Ticket counters**

  - Multiplex
  - Railway stations
  - Post offices
- 

**Hospitals**

  - Doctors table
  - Pharmacy
- 

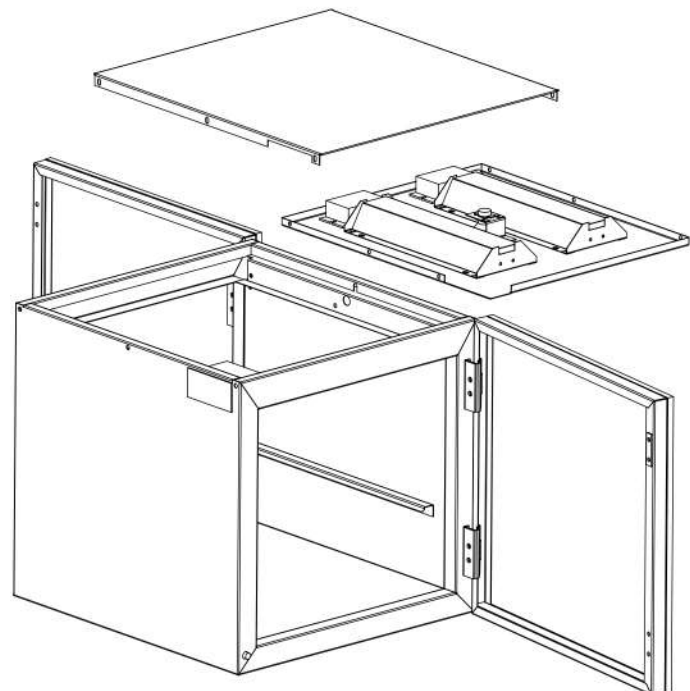
**Collection point**

  - Courier
  - Post office
  - Service centers



## // FEATURES

- ◀ COMPACT DESIGN FOR CONTACTLESS AND SECURE HAND OVER OF DOCUMENTS/ITEMS
- ◀ UV PROTECTIVE TOUGHENED GLASS
- ◀ TOUCH SENSITIVE CONTROL PANEL
- ◀ AUTOMATIC TIMER
- ◀ USER FRIENDLY DISPLAY WITH INDICATOR
- ◀ 360 DEGREE UV LIGHT EXPOSURE
- ◀ DOOR SENSORS FOR SAFETY AND AUTO CUT-OFF
- ◀ RUGGED AND DURABLE MILD STEEL POWDER COATED CABINET
- ◀ CHEMICAL FREE DISINFECTION
- ◀ STAINLESS STEEL INSIDE RACK
- ◀ DUAL DOORS TO AVOID MULTIPLE TOUCHES
- ◀ SOUND ALARM
- ◀ SECURE HANDOVER PASS TUNNEL



# TRANSIT

## SECURE HANDOVER

Multipurpose pass tunnel for contactless secure hand over of documents/items

## OPERATING INSTRUCTIONS

### Introduction

UV Germicidal Irradiation is a disinfection method that uses short-wavelength ultraviolet (ultraviolet C or UV-C) light to kill or inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

This controller has timer feature to control UV light automatically as per time setting. User can Hold/Start the UV light manually by using the key in a UV-cabinet as per timer setting.





Door open sensing is provided to switch off the UV-Light. Buzzer will be ON when timer is over.







### Features :

- Range: 0 to 99 Minutes/Seconds
- Relay Output for UV-C.
- Timer setting in Minutes or Seconds.
- Timer run automatically as per setting.
- Timer Hold/start manually.
- Timer hold at Door open & Buzzer indication for timer over.

### USER INTERFACE

 UP Key	Touch to <b>increase</b> Timer count value by 1 Minute/Second.
 Down Key	Touch to <b>decrease</b> Timer count value by 1 Minute/Second.
 Start/Hold Key	Touch to <b>start or hold</b> the timer. Also to <b>save the timer count, if it is changed by using up/down key.</b>
 Reset Key	Touch and hold for 1 sec to <b>stop &amp; reset</b> the timer at last saved value.

### Display & LED Indications

LED	Status	Description
 UV-Light	ON	Timer is started & Relay output is ON.
	OFF	Timer is stopped & Relay output is OFF.
 Time Delay	Blinking	Timer is on hold & Relay output is OFF.
 E_n	Blinking for 2 sec	Timer is over & Relay output is OFF.
 do	Door Open	Door is open & Relay output is OFF.

### To change Timer Measurement unit

To change the timer unit, touch "**▼+START HOLD**" key for 2 sec. Display will show "**11**" if unit is set to minutes & Display will show "**51**" if unit is set to seconds. Timer will be set and display will show "0". Factory set value is in seconds.

### To change Timer reset mode at Door Open

To change the timer reset mode, touch "**▲+▼**" key for 10 sec. Display will show "**11n**" if timer reset mode is set to Manual & Display will show "**11n**" if timer reset mode is Auto at Door Close.

### Working Logic & Functions

1. Use **▲/▼** key to set value from 0 to 99. When set to '0' timer function is inactive.
2. Example: Timer count value is set to 10, touch "**START HOLD**" the and timer will start countdown & Relay will switch ON. After every minute or second display, as per unit setting, count will decrease by 1. Once timer is reached "0", display will blink for 2sec & Relay will be OFF. Timer will reset & Display will show last set value of timer that is "10".
3. To start the timer again touch "**START HOLD**" key.
4. Timer is running & if user has touched **RST** key, then timer will stop. Timer will reset and display will show last saved value that is 10.
5. Timer can Start and Hold by "**START HOLD**" key.
6. Relay will switch OFF when Door is open.
7. When door is closed, Relay will start auto if timer reset mode is set to auto else user has to start manually by "**START HOLD**" key.
8. Buzzer will turn ON when timer is over & display will flash "**E\_n**" for 2 seconds.

#### Note:

Relay will be OFF when below conditions occurs:

- i. Timer value is changed.
- ii. Timer is reset by key.
- iii. Timer is over.
- iv. Timer Unit is changed.
- v. Door is open.

**Maintenance :** Cleaning : Clean the surface of the controller with a soft moist cloth. Do not use abrasive detergents, petrol, alcohol or solvents.

Available On

[www.blueminkinnovations.com](http://www.blueminkinnovations.com)

SCAN ME



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