

SPOTLESS TECH

ST-650

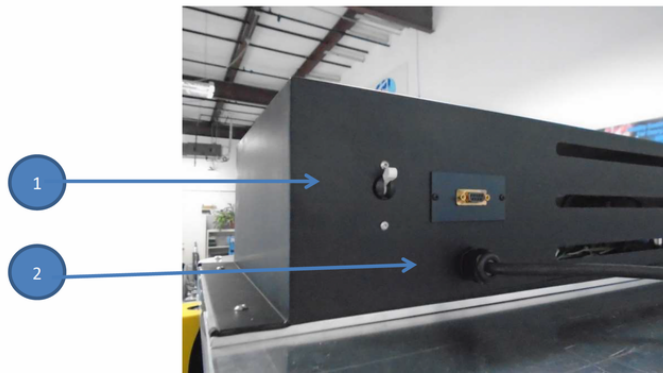
SAFETY

- CAUTION – Read all warnings and instructions before using this product.
- WARNING – Do not modify this product or attempt to bypass any safety systems. The risk of fire or electric shock will result in the modification of this product.
- WARNING – UV-C radiation can cause severe skin burns and eye injuries. Avoid direct skin exposure to UV-C radiation and never look directly into a UV-C light source, even briefly. WARNING – Do not modify this product. Any modifications can cause UV-C leakage.
- CAUTION – UV-C light can cause early degradation of some materials. Do not put any items in the enclosure that can be damaged by UV-C light.
- CAUTION – The fluorescent lamps reach high temperatures during normal operation and can cause skin burns if touched.
- CAUTION – Use gloves when replacing the fluorescent lamps. The oils from your skin will contaminate the lamp and shorten its useful life.
- WARNING – Only connect this product to an electrical system that provides good equipment grounding



ST-650 ELECTRICAL SPECIFICATIONS

- 120Vac
- Single Phase
- 50/60 Hz.
- 7 Amps



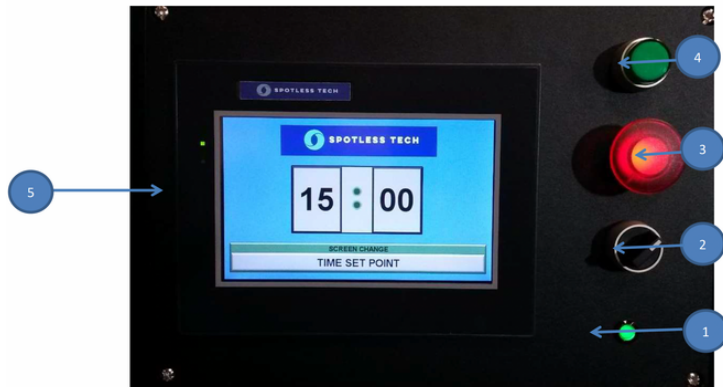
- 1. 7 Amp Circuit Breaker**
- 2. 120 Vac Power Cord**

ST-650 MECHANICAL DIMENSIONS

- Hexagonal Shape
- Width: 44 inches
- Depth: 52 inches
- Height: 71 inches
- Weight: 250 Lbs.

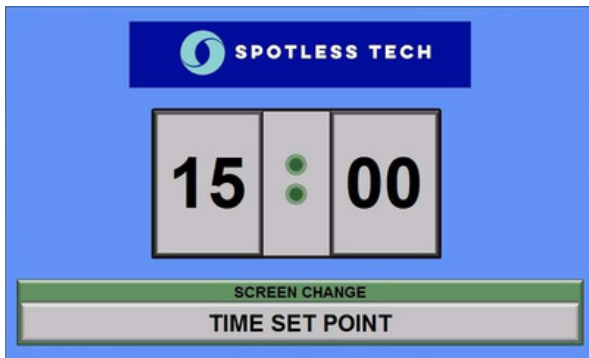
ST-650 CABINET CONTROLS

1) Operator Control Panel

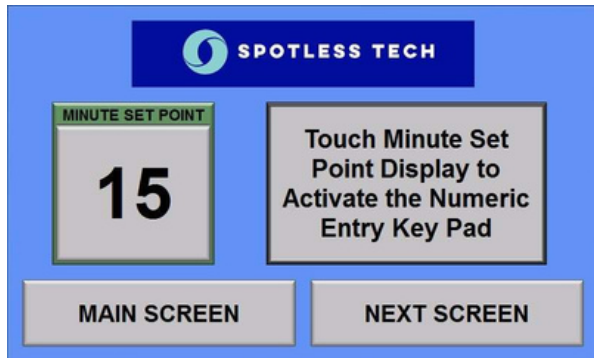


1. **Power Lamp** - Pulses for 30 seconds on power up and turns solid green when ready for operation.
2. **Power Switch** - Turns the unit on
3. **Stop Button** - Stop Lamp Cycle Time
4. **Start Button** - Start Lamp Cycle Time
5. **Touch Screen** - Displays Lamp Cycle Time, Set Lamp Cycle Time, UV-C Light On Display, Doors Open and E-Stop Inputs.

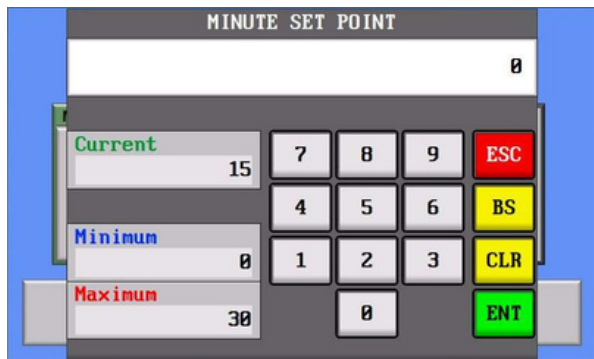
2) Time Display Screen.



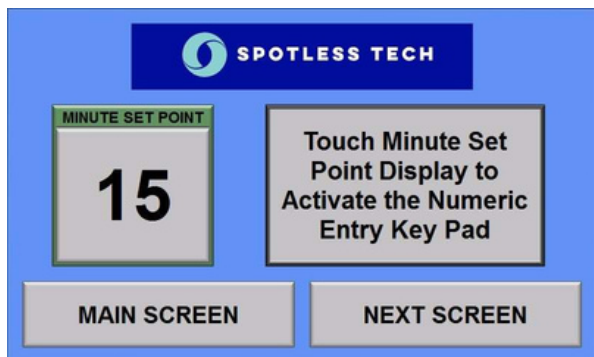
3) To change the Lamp Runtime, press the TIME SET POINT bar at the bottom of the screen.



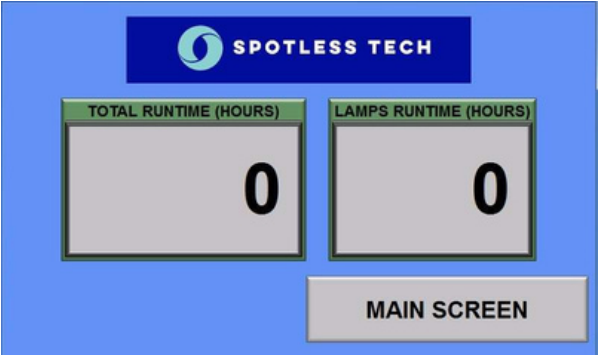
Press the MINUTE SET POINT display to activate the numeric key pad. Enter a runtime in minute intervals. Press enter (ENT) to save the new set point.



4) Press the MAIN SCREEN bar to return to the Time Display Screen. Press the NEXT bar to enter the Totalizer Screen.



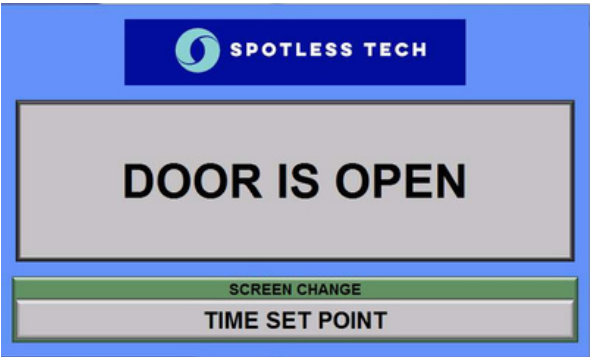
5) The Totalizer Screen displays the total machine runtime and the lamps runtime logged in hours. Press the MAIN SCREEN bar to return to the Time Display Screen.



6) When the UV-C Lights are on, a banner "UV-C LIGHT ON" will appear across the top of the touch screen.



7) Touch Screen Displays if the Doors are open and will stop the Lamp Cycle.



8) In the event that the Emergency Stop Button is pressed, the Touch Screen Displays a red dialog box with "E-STOP IS ACTIVE" and stops the Lamp Cycle. To deactivate the Emergency Stop, twist the red knob to the right. The red dialog box will vanish from the touch screen.



OPERATING THE ST-650 CABINET

1. Power on the unit using the power switch located on the Operator Control Panel.
2. Open the enclosure and place the item to be disinfected into the center of the enclosure.
3. Close the enclosure. The system is ready when the "DOORS OPEN" display will vanish from the touch screen.
4. Set the MINUTE TIMER to the desired runtime. The default runtime is 15 minutes. The runtime set point can be changed by using the numeric keypad.
5. Press the Green Start button. The Green Start Button will flash and the touch screen will post a yellow banner "UV-C LIGHT IS ON". The timer will count down actively to the desired runtime. The RED Stop Button will light solid and the "UV-C LIGHT ON" banner will vanish from the touch screen when the sequence is complete.
6. The UV-C Lamps will automatically shut off if the doors are opened, the Stop Button is pressed, or if the E-Stop Button is pressed. The runtime will be reset and the sequence must be restarted to ensure proper disinfection.
7. Open the ST-650 cabinet and remove the items. To prevent recontamination of the item after it has been disinfected, it is recommended to wear clean gloves or have clean hands before touching the item.

ST-650 UV-C AVERAGE EXPOSURE RATE

5 minutes = 1200 mJ/cm²
10 minutes = 2400 mJ/cm²
15 minutes = 3600 mJ/cm²
20 minutes = 4800 mJ/cm²
25 minutes = 6000 mJ/cm²
30 minutes = 7200 mJ/cm²