



# OUTLAW INDUSTRIES

"KEEPING THE BAD GUYS OUT"

## HIGH GLASS OPTICAL TURNSTILES



### OPERATION CONCEPT

THE WAIST HIGH OPTICAL TURNSTILES BY OUTLAW INDUSTRIES ARE A BIDIRECTIONAL, MOTORIZED SWING GATE THAT PROVIDE MEDIUM SECURITY WHILE ALLOWING THE PASSAGE OF SEVERAL PEOPLE QUICKLY AND PRECISELY FOR BOTH ENTRY AND EXIT OF A FACILITY. THEY ARE DESIGNED TO OPERATE IN SEVERAL DIFFERENT MODES DEPENDING ON CUSTOMER PREFERENCE. ALL THESE MODES ARE FIELD SELECTABLE AND CAN BE ADJUSTED AT ANY TIME. THEY ARE SHIPPED FROM THE FACTORY WITH ENTRY AND EXIT CONFIGURED IN THE CONTROLLED PASSAGE MODE. ENTRY AND EXIT MODES CAN BE CONFIGURED INDEPENDENTLY. FOR EXAMPLE, YOU CAN SET ENTRY TO BE CONTROLLED, AND THE EXIT TO BE FREE EXIT. THE WAIST HIGH OPTICAL TURNSTILES HAVE INDICATOR LIGHTS AND DIRECTIONAL LIGHTS THAT REACT DIFFERENTLY DEPENDING ON THE MODE SELECTED FOR THAT DIRECTION. THE LIGHTS HELP AID IN THE FLOW OF TRAFFIC BY MAKING IT CLEAR TO THE USER WHEN TO WALK THROUGH THE LANE, IF THE LANE IS USABLE, WHEN TO PRESENT A CARD ETC.

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THE INDICATOR LIGHTS ARE ON TOP OF THE CABINET AND THE DIRECTIONAL LIGHTS ARE ON THE FACE OF THE CABINET.

### OPERATION MODES

#### CONTROLLED PASSAGE MODE

- A. WHEN A DIRECTION IS SET TO CONTROLLED PASSAGE MODE, THE DIRECTION WILL NOT OPEN WITHOUT AN INPUT FROM AN ACCESS CONTROL SYSTEM OR OTHER RELAY CLOSURE.
- B. THE INDICATOR LIGHT WILL HAVE A GREEN SQUARE WHEN IN THIS MODE. THIS GREEN SQUARE SYMBOLIZES “SWIPE YOUR CARD HERE”. ONCE SOMEONE SWIPES THEIR CARD AND TRIGGERS THE INPUT THE INDICATOR LIGHT CHANGES TO A GREEN ARROW SIGNALING THE USER TO GO THROUGH THE PASSAGE. THE GLASS DOORS OPEN AND ALLOW PASSAGE.
- C. THE DIRECTIONAL LIGHT WILL HAVE A GREEN ARROW SIGNALING THE LANE IS OPEN FOR USE.

#### FREE EXIT MODE

- D. WHEN A DIRECTION IS SET TO FREE EXIT MODE, THE GLASS DOORS AUTOMATICALLY OPEN WHEN SOMEONE ENTERS THE LANE AND TRIGGERS THE FIRST PHOTO EYE.
- E. THE INDICATOR LIGHT WILL HAVE A GREEN ARROW IN THIS MODE. THE GREEN ARROW SYMBOLIZES THEY ARE FREE TO ENTER THE LANE WITHOUT PRESENTING A CARD OR OTHER CREDENTIAL.
- F. THE DIRECTIONAL LIGHT WILL HAVE A GREEN ARROW SIGNALING THE LANE IS OPEN FOR USE.

#### NO PASSAGE MODE

- G. WHEN A DIRECTION IS SET TO NO PASSAGE MODE, THE DOORS WILL NOT OPEN FROM THAT DIRECTION.
- H. THE INDICATOR LIGHT WILL HAVE A RED X IN THIS MODE, SYMBOLIZING THE LANE IS NOT OPEN FOR PASSAGE.
- I. THE DIRECTIONAL LIGHT WILL ALSO HAVE A RED X SYMBOLIZING THE LANE IS NOT OPEN FOR PASSAGE.

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### ADDITIONAL OPERATION OPTIONS

#### ANTI-TAILGATING

- A. ANTI-TAILGATING CAN ONLY BE USED IN THE CONTROLLED PASSAGE MODE.
- B. ANTI-TAILGATING AIDS IN ALLOWING ONE PERSON TO GO THROUGH THE PASSAGE AT A TIME. IF THE LANE DETECTS SOMEONE TRYING TO ENTER BEHIND ANOTHER PERSON AN ALARM WILL GO OFF.

#### MULTI-SWIPE

- C. THE MULTI-SWIPE FEATURE CAN ONLY BE USED IN THE CONTROLLED PASSAGE MODE.
- D. MULTI-SWIPE ALLOWS MULTIPLE INPUTS TRIGGERS TO HELP AID IN MULTIPLE PEOPLE BEING ABLE TO SWIPE A CARD AND GO THROUGH THE TURNSTILE WITHOUT WAITING FOR THE DOORS TO CLOSE TO SWIPE THEIR CARD. (ONE RIGHT BEHIND ANOTHER). THIS HELPS SPEED UP THE FLOW OF TRAFFIC SO THAT USERS DO NOT HAVE TO WAIT FOR THE GLASS DOORS TO CLOSE FOR THE NEXT PERSON TO GO THROUGH.
- E. THIS MODE CANNOT BE USED IN CONJUNCTION WITH ANTI-TAILGATING.

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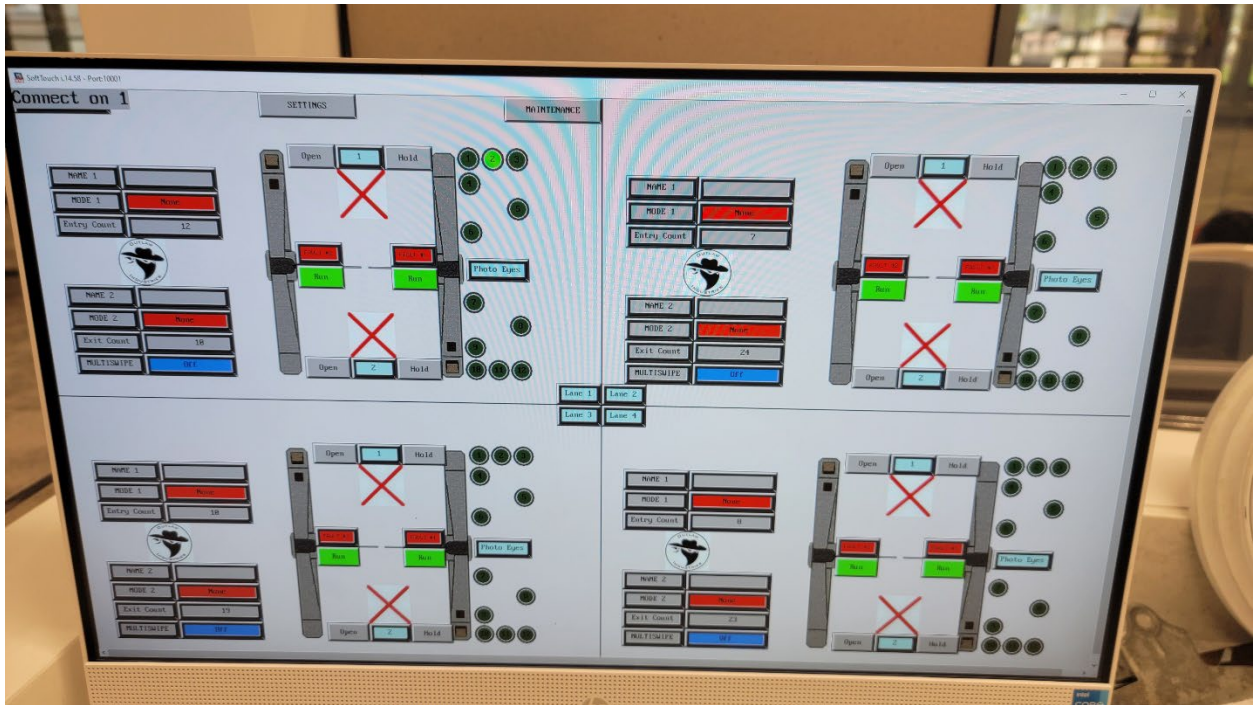
### REMOTE LANE CONTROL

#### OVERVIEW

- A. THE REMOTE LANE CONTROL SOFTWARE ALLOWS FOR MONITORING, DIAGNOSING, AND CONTROLLING THE LANES FROM A GUARD BOOTH OR RECEPTION DESK. IT CONSISTS OF A TOUCH SCREEN COMPUTER WITH AN HMI INTERFACE TO COMMUNICATE WITH THE PLC IN THE TURNSTILES. THE HMI INTERFACE CONSISTS OF SEVERAL DIFFERENT SCREENS, SUCH AS A HOME SCREEN, A SETTING SCREEN, AND A MAINTENANCE SCREEN.

#### HOME SCREEN

- B. The home screen shows an overview of the status of each lane in the array. It shows what mode each direction is in, the entry and exit count, the status of the photo eyes, and the status of the motors. If the motors have a fault you are able to reset them by pressing run and reset on this screen. It also has buttons that allow you to open the turnstile in each direction for one person, or hold the turnstile open indefinitely until you close it.



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### SETTINGS SCREEN

- D. The settings screen shows each lane and how it is configured to operate. From this screen you can change the mode for each lane to change how it operates.



- E.

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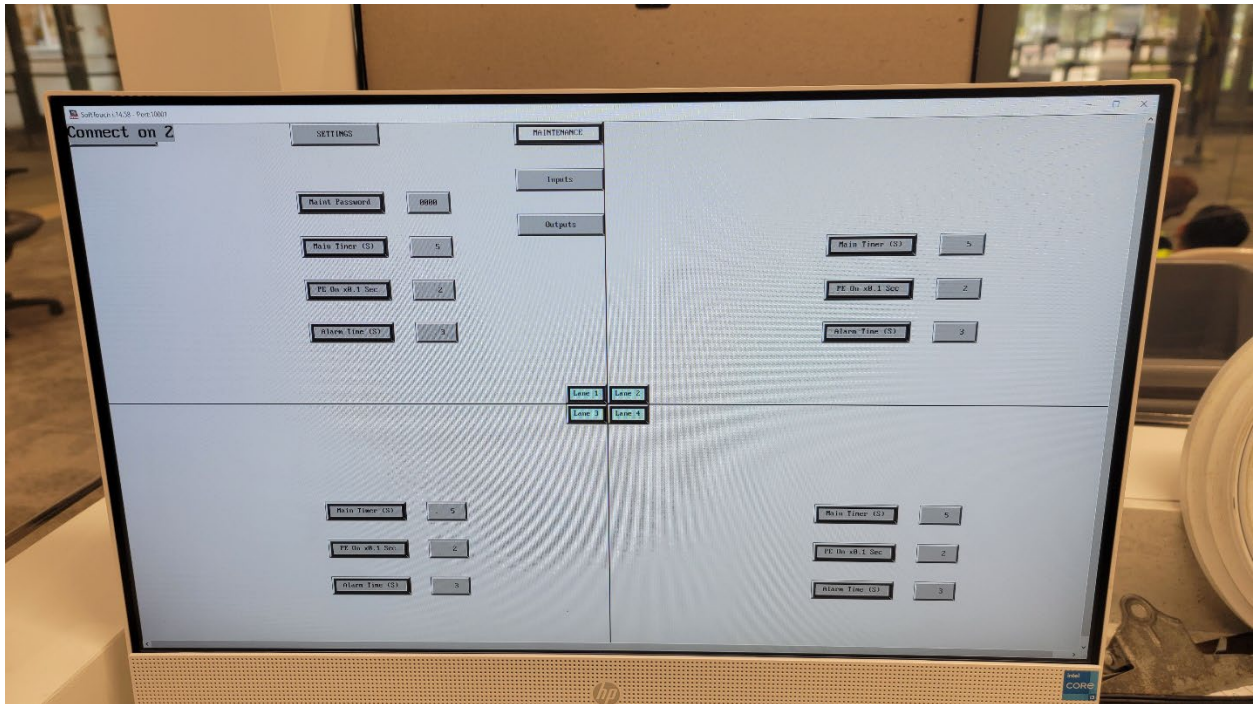
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### MAINTENANCE SCREEN

- F. The maintenance screen is locked by a passcode typically held by the installer. The maintenance screen Allows you to change the alarm time, the main timer for how long the door stays open, and the photo eye detect time which adjusts the “sensitivity” of the lane. There are also two pages that can be accessed within the maintenance screen that allows you to view the state of all inputs and outputs. This can be very helpful for trouble shooting.



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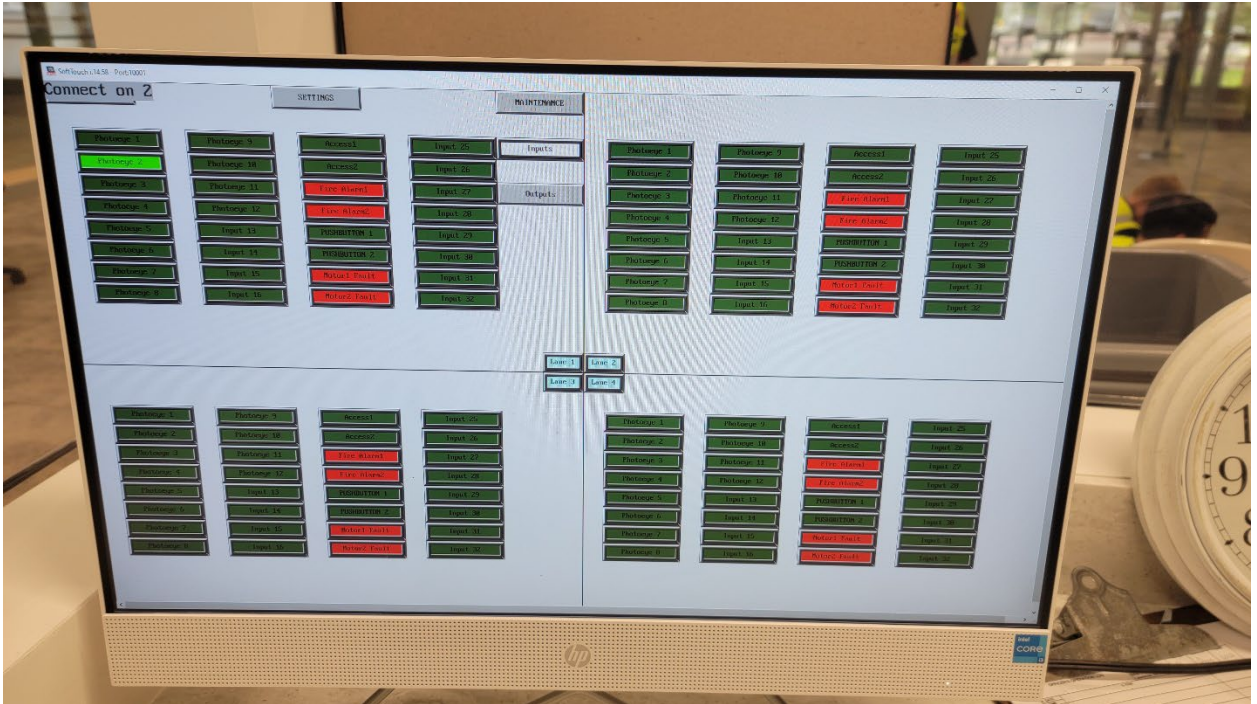
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H.



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## **HIGH GLASS OPTICAL TURNSTILES**

### **OPTIONAL NON-INTRUSIVE MOUNTING SYSTEM**

WHEN INSTALLING OPTICAL TURNSTILES, TYPICALLY IT INVOLVES RUNNING CONDUIT BELOW THE MOUNTING SURFACE TO RUN CABLING FOR LOW VOLTAGE WIRE. THIS CAN BE AN EXPENSIVE PROCESS DEPENDING ON THE SUBSTRATE AND HOW MANY PARTIES ARE INVOLVED. TO COMBAT THIS WE DESIGNED A PLATFORM THAT ELEVATES THE TURNSTILES OFF THE GROUND AND ALLOWS YOU TO RUN CABLING THROUGH THE PLATFORM. USING THE PLATFORM CAN SAVE TIME AND MONEY ON THE INSTALLATION, SO IT SHOULD BE CONSIDERED IN MANY INSTALLATIONS.

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