

Operations and Functionality

Passage Modes

Electric turnstiles may be configured for any combination of the following passage modes:

Controlled Passage - The arms are locked in the home position. Upon receipt of an authorization signal from an access control system, the turnstile unlocks in the appropriate direction allowing a single passage. The arms re-lock after the user has passed through the turnstile, or when the automatic turnstile relock period has been reached. Controlled passage can be either single direction or bidirectional.

Free Passage - An authorization signal is not required for a user to pass through the turnstile. Either rotation direction can be set to free passage using the key overrides located on the underside of the cabinet.

No Passage - The turnstile arms are locked and remain locked even if valid credentials are presented to the access control system.

Manual (Non-Electric) turnstiles may be configured for any combination of the following passage modes:

Free Passage - The turnstile arms are unlocked and rotate freely.

No Passage - The turnstile arms are locked.

Loss-of-Power Operation (Electric Models Only)

The turnstile can be configured to operate in one of two ways during a loss-of-power event:

Fail-Lock - The turnstile arms remain locked in both directions. In the power off condition, passage may be allowed using the key overrides.

Fail-Safe - The turnstile arms rotate freely in both directions.

Drop-Arm (Optional)

The horizontal turnstile arm drops down to provide a clear passageway upon loss of power or receipt of a fire alarm input located on the turnstile control board.

When the fire alarm signal is removed, the drop arm must be moved back to the horizontal position manually.

NOTES

The drop arm option includes the 10-7822 turnstile control board. Refer to Appendix C on Page 29 for 10-7822 layout and terminal descriptions.

Drop arm option is available on fail-lock solenoid configuration only.

User Notification Lights (Optional)

Electric turnstiles can be equipped with user notification lights (JS2) that indicate turnstile status. The user notification lights are installed to the turnstile lid and can be configured to function in the following manners:

- **Red** – Indicates the turnstile is locked and ready for card presentation.
- **Green** – Indicates the access system has provided the turnstile control board with an activation indicating an “authorized” card has been presented. When the green light illuminates, the turnstile is unlocked and ready for passage.
- **Red** – Indicates the access system has provided the turnstile control board with an activation indicating an “unauthorized” card has been presented. When the red light illuminates, the turnstile will remain locked.
- **Green** – Indicates the access system has provided the turnstile control board with an activation indicating an “authorized” card has been presented. When the green light illuminates, the turnstile is unlocked and ready for passage.
- **Yellow** – Indicates the turnstile is locked and ready for card presentation.

Local Battery Counter (Optional)

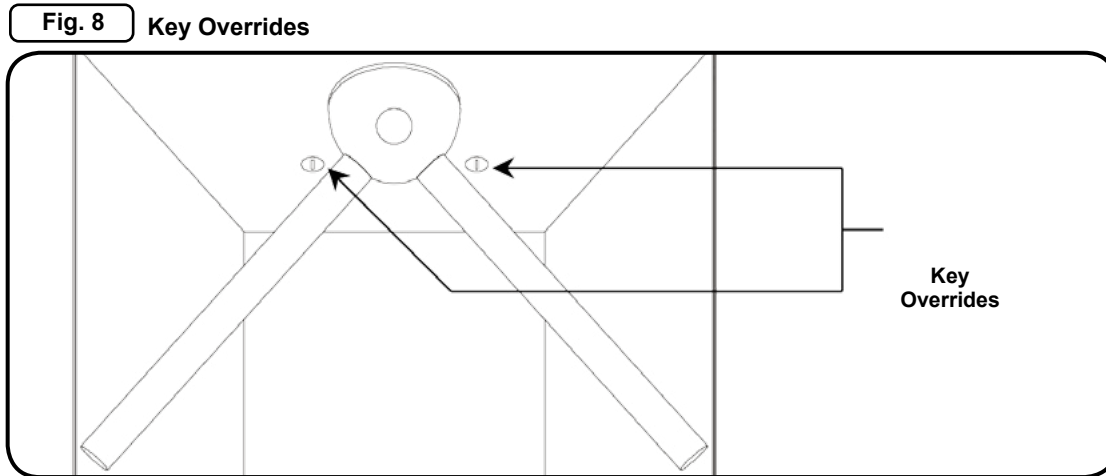
A lithium battery-powered LCD counter can be installed on electric and non-electric models. Each rotation of the turnstile arm generates a count. One counter is required per direction. Counters can be ordered as reset or non-reset versions.

1. To reset the counter, use the counter reset key and turn 90°. The counter reset lock is located next to the counter display.

Key Override

The key override manually locks or unlocks the turnstile in the desired direction. The key overrides are located on the underside of the front panel near the turnstile arms base [Figure 8].

1. To engage the key override, turn the key 90°.

**NOTE**

When not in use, store the keys in a safe location.

Post-Installation Functions Check

1. Ensure the junction box switch is set to ON.
2. Confirm the turnstile arms are locked in the controlled direction(s).
3. Provide an activation. Confirm the turnstile unlocks and rotates.
4. Provide an activation again, but allow the automatic turnstile relock period to be reached (default is 20 seconds). Confirm that the turnstile re-locks.

NOTE

The automatic turnstile relock setting can be configured using DIP switch bank SW4 on the turnstile control board [Figure 7].

5. Set the junction box switch to OFF.
6. Confirm the following:
 - If the turnstile is configured for Fail-Lock operation, confirm that the turnstile remains locked in the controlled direction(s) upon loss of power.
 - If the turnstile is configured for Fail-Safe operation, confirm that the turnstile rotates freely upon loss of power.
 - If the drop arm option is installed, verify the horizontal arm drops to the open position. Manually move the drop arm back to the closed position.
7. Set the junction box switch to ON.
8. Close and lock the turnstile lid.