

ODAB – Optical Drop Arm Barrier

The Optical Drop Arm Barrier turnstile has the smallest barrier footprint on the market today and complements any setting.

The standard finish is Stainless Steel with a Corian top.



Method of Operation:

An access card or other credential is presented to the customer supplied access control reader mounted inside the casework. If entry is authorized, the top mounted indicator LEDs will light as a green arrow pointing in the direction authorized and a chime will sound indicating to the user that they may pass. Unauthorized access attempts and tailgaters are singled out by local visual/audible alarms.

Optical Detection:

Industrial duty infrared photoelectric beams (36) linked to Primary Input/output Board - 32-bit microprocessor with optional on board wireless LAN connectivity.

Throughput:

One person per second. (Subject to access control system outputs)

Tailgate Detection:

The system recognizes patterns of movement through the lane to differentiate between a person pushing or pulling an item and a person attempting to piggy back on a valid entry. Beam scanning algorithmic pattern detection allows valid users of the lane to be within ¼ inch.

Sound Card:

The Sound Card emits 4 different tones via an 8 ohm speaker to indicate lane status – i.e.; valid transaction, invalid card, unauthorized access attempt, or tailgate attempt. Digitally controlled, the Sound Card allows for volume adjustment on-board pedestal or via the optional touch screen controller.

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- Reader Integration:** Mounting for proximity card readers are located at both ends, immediately under the LED array. Bar Code readers, Swipe readers, biometric readers, or other access control systems can be integrated at both ends through coordination between access control dealer and TurnstilesUS.
- Power:** 240w 24VDC 10A power supply is provided by manufacturer for each set of up to 4 lanes. A dedicated 120V 15A circuit should be provided within 50 to 100 feet of each turnstile location.
- Status Lights:** LED arrays are fitted into the pedestal tops, one for each direction, to visually assist the user when passing through the lane. Can also be front mounted if required.
- Crawl Under Detection:** Beams detect barrier arm crawl-under attempts, as low as ten inches from the floor, and will trigger a visible and audible alarm and appropriate trigger signal to the access control system.
- Crawl Over Detection:** Utilizes load cell technology to detect an intruder attempting to walk or crawl along the length of the pedestal top to gain entry into the building.
- Bi-directional Card Stacking:** For increased throughput, the system is capable of receiving up to 50 authorized access card credits. The barriers do not need to close between transactions and will remain in the open position until all of the credits are used. If all of the access credits are not used or after 5 seconds of inactivity, the system will reset and secure the lane. Card stacking is active in both directions simultaneously.
- Safety Features:** The Drop Arm Barrier is equipped with “fail safe” operation mode which powers the barriers to the open position in case of emergency. In the event of power outage, the barriers push open with very little force.
- Warranty:** Three (3) year return-to-factory warranty on all electrical components.

TECHNICAL DATA

OPTICAL BARRIER DROP ARM	TYPE	ADA	STANDARD
LANE WIDTH	Inches	36	28
PEDESTAL LENGTH WITH ROUNDED ENDS	Inches	36	36
PEDESTAL LENGTH WITH FLAT ENDS	Inches	33 ¼	33 ¼
PEDESTAL HEIGHT	Inches	38	38
PEDESTAL WIDTH	Inches	6 ½	6 ½

*Top style may vary top down dimension.

Dimensions are expressed in inches. The colors presented herein are merely illustrative. TurnstilesUS reserves the right to change product specifications without prior notice. Prices and specifications are subject to change without notice. Not responsible for typographical errors.