

# INSTALLATION

# Fastlane<sup>®</sup> Turnstiles

## Visitor Card Retrieval System

Setting new standards in entrance control

Fastlane<sup>®</sup> is a registered trademark of Integrated Design Ltd 1995

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# M A N U A L

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## PRODUCT DESCRIPTION

### Production Overview

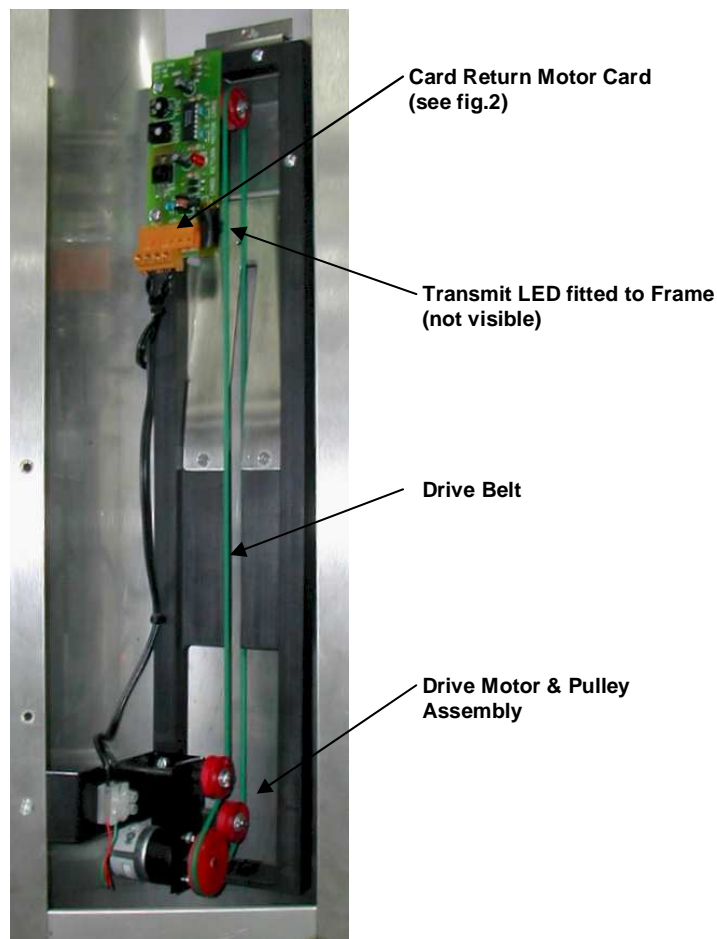
In order to collect access cards from visitors leaving a building, IDL have created the Visitor Card Return System. Staff can use a card reader mounted behind the frosted acrylic window. Visitors however are invited to place their access card in the return slot. The card is drawn in and slowly passes a secondary card reader which authorises their exit. The cards are then dropped in to a locked tray where they can be collected by a guard at a later stage

### Technical Description

The Card Retrieval System consists of a Motor Card, a drive system and frame. The purpose of the frame is to guide the cards over the card reader and into the card bin.

Power (12Vdc) is applied to the Motor Card, which in turn powers the Motor/Drive Belt. The speed of the Motor and the length of time the Motor Drives can both be set on the Motor Card.

Figure 1 - Visitor Card Retrieval Assembly

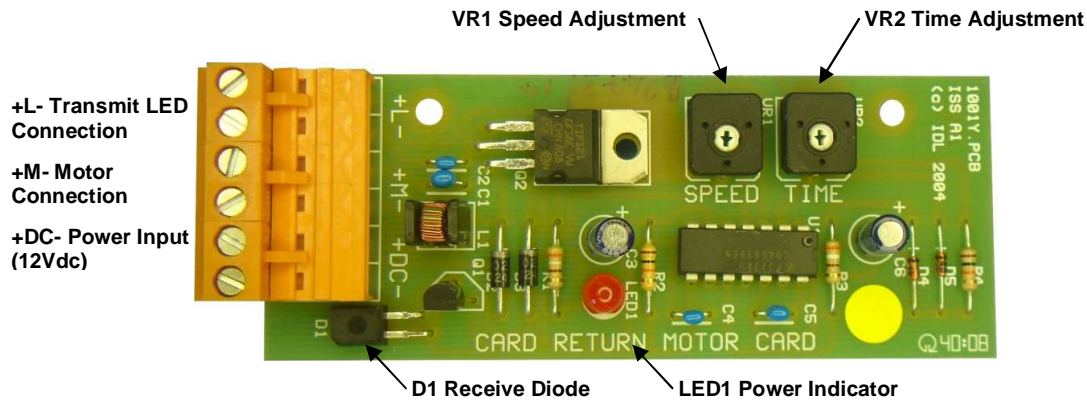


As cards are pushed into the card slot, they will break an infra-red beam. This is the trigger that starts the drive belt. The beam is produced by a transmit LED fitted to the frame, and a receive diode fitted to the Motor Card.

Cards can be collected from the Card Bin at the bottom, via an external, key-locked doorway.

The system is delivered fitted to the Fastlane® Pedestal, and should not need any adjustment/connections. The Power input will already be connected to the 12Vdc output from the CAT5 Interface Card.

Figure 2 - Card Return Motor Card



The connections/settings on the Motor Card are as follows:

- +L- will be connected to the Transmit LED. The polarity must always be observed.
- +M- will be connected to the Motor, via a terminal block. The polarity must always be observed.
- +DC- will be connected to the CAT5 Interface Card. The polarity must always be observed.
- VR1 adjusts the Motor Speed.
- VR2 adjusts the Motor Time Period.
- D1 is the receive diode, fitted over a hole in the Motor Card. This must always have direct line-of-sight to the Transmit LED.
- LED1 is a power indicator. If this is not on, then check the power.

## Warranty

Integrated Design Ltd. (The Company) warrants that products manufactured by it are of merchantable quality, free of any rightful claim of infringement or the like. When used in the manner intended, will be free of defects in materials or workmanship for a period of twelve (12) months from the date of sale as shown by a sales invoice or warranty registration card on file with the Company. The terms of warranty are as per Integrated Design Ltd. Conditions of Sale and will not apply to any product, which has been modified, or improperly used or repaired after leaving the Company's control. Any implied warranty of fitness for particular purposes, whether express or implied, is hereby expressly excluded. These warranty terms may not be modified except in writing approved and issued by an authorised officer of the Company.

## Technical Support

We welcome inquiries and comments regarding all of our products. We trust you will find them easy to install and reliable in operation. Should you experience any application-related difficulties however, in the first instance please contact your supplier.

Our direct contact details are:

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Email:   [support@idl.co.uk](mailto:support@idl.co.uk)

A technical support form may be downloaded from the IDL web site, please use this form to provide a description of the reported fault and the corrective action diagnostics information already attempted.

If a sub-assembly is to be returned for warranty or non-warranty test and repair, please use the Return to Manufacturer Authorisation system (RMA). Information about this is available on the web site.

## Important Notice

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