



# ACCESS CONTROL GATES: TURNSTILES AND FLAPS



Control gates

## Opening gates for the improvement of the mobility scenarios

### Introduction

INDRA's access control solutions are based on a wide range of products designed to satisfy the most demanding requirements from our customers.

Our experience supplying systems of this type allows us to offer our clients a tailor-made solution adapted to their needs, ensuring maximum transit speeds, superb performance, comfort, reliability and sturdiness.

These products for public transportation access control (commuter trains, metro, trams, etc.) are equally suitable for other kinds of premises such as theme parks, museums, sports facilities, etc.



Turnstiles control gates

## Technical Specifications

### Dual technology equipment:

- Built-in magnetic and/or contactless readers/writers in the same unit. Allows control of external associated validators

### Physical barrier:

- Flaps and Turnstile types. Normal gates also available
- Electric motor
- Linear or angular opening
- Anti-panic devices
- Photoelectric transit control
- Automatic opening by gravity in case of power failure.

### External case:

- Made of stainless steel
- Informative modules and pictograms
- Easy access to the inside

### Internal control unit:

- PC controlling all devices and communications
- Windows-based SW application, remotely-loaded and parameterisable
- Ethernet, RS-232/485, Wi-Fi, Bluetooth connections
- Controls up to 4 readers (magnetic and contactless, for input and output).

### Contactless card readers:

- Readers compatible with ISO/IEC 14443 A and/or B standards
- Working distance: up to 10 cm. depending on the version
- Transaction speed under 0.2 secs.
- High data transfer rate between reader and card
- Memory card or microprocessor management
- Use of encryption algorithms, according to requirements, and security modules
- Use of anti-collision algorithms to allow operation on one or several cards at a time
- Allows Proximity Only, Push & Go and Touch & Go configurations.

### Magnetic readers:

- Edmonson, ISO and special-format tickets
- Central, lateral, simple and multiple magnetic strip
- High and/or low coercivity (300-3,500 Oe)
- Densities up to 150 bpi (up to 900 bits in total)
- F2F, Manchester, etc. encoding
- Different configurations:
  - Single-head reader (small size, low cost)
  - Triple-head linear reader (fast transmission rate, under 1 secs.)
  - Readers for 4 note positions
- High printing capacity (up to 800 characters) in different modes:
  - One side
  - Perpendicular or vertical to the strip
- Adaptable remotely-loaded reader software

## General Features

- Modular design
- Processes all types of magnetic documents and contactless card
- Different types of physical barriers: flaps, normal gates & turnstiles
- Access for PIMs (Persons with Impaired Mobility)
- Entry, exit or reversible control configurations
- High transit speeds and ease of use
- Different operational modes: normally open, normally closed, special fast modes, anti-panic...
- Robust and reliable
- Fraud-proof photoelectric sensors
- Remotely-loaded software easily adaptable to any fare scheme or intermodal policy
- Real-time communications with statistics, alarms and events delivery
- Connection to Ethernet network



Flap control gates