The ProxerGate3E is an intelligent, tripod turnstile for controlled access of persons.

Structure

The ProxerGate3E turnstile is a modern, designed, aesthetic automatic gate. The solid and firm metal body holds the three-arm rotor unit with a drop arm, the intelligent electronic board, sensors and control units (RFID card reader terminal, barcode reader is available), encased in stainless steel.

ProxerGate3E is available in brushed, shiny inox finishes and sintering is also possible in a color specified by RAL color chart.

The gate can be fixed to the floor with drilled base-plate bolts.

Operation

The ProxerGate3E provides touch-free entrance: the entering person shows their identifier to the proximity card reader placed in the head of the gate. The gate verifies if the person is allowed to enter into that direction in that specific time. If they are, then the gate gives green light. The rotating arm turns into the direction with a certain speed, so the passing would be free from collision and difficulty.

The person passing through is supervised by optical sensors and the gate operates in accordance with this.

Using the gate is easy and safe: the "free" or "locked" entry is indicated by the internationally common colours of traffic lights (red, yellow and green) and accompanied with (releasable) sound.

In case of sabotage or aggressive intervention the system gives an alarm signal and stores the data in the event log.

ProxerGate3E has neither sharp edges nor parts causing injuries. (Persons with disabilities can use ProxerPort swing gate or ProxerGate Slip, which is designed for safe passing with wheelchairs also.)

The gate is equipped with a two-way communication interface, enabling a detailed query of movement data, event log, status and uploading of requested mode, permission table, parameter table, etc.

The ProxerGate3E can be connected to computer network (RS485, Ethernet). Procontrol's own ProxerNet software is suggested for control and management.

Features

- Automatic, motorized revolving gate, equipped with distance sensor
- Easy to integrate to access control systems
- Built-in card readers available
- Fire alarm system connectivity
- Bi-directional passage monitoring
- High level security access control
- Anti pass-back function
- High-gloss stainless steel framework
- Designed for indoor use, optionally outdoor is available
- Exclusive design
- High flow rate: 40 people per minute

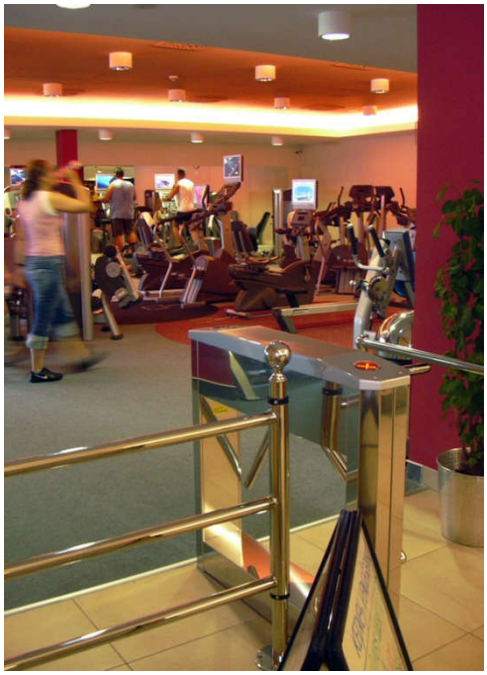
Technical specifications

- Dimensions: see drawings below
- Power supply: 24V DC, optionally 90-240V AC
- Power consumption: 3W (peak 200W)
- Accepted ID tags (depending on built-in reader):
    - RFID proximity card / tag / wristband
    - Barcode, QR code
    - Fingerprint
- Weight: 56kg
- Operating temperature range: -20 - +45C
- Relative humidity: max. 80%

Options

- Guide barriers in a good selection (high gloss, curved, glass paneled, removable etc.)
- Fire alarm system connection
- Gate controller readers: (RFID proximity, barcode, fingerprint readers)

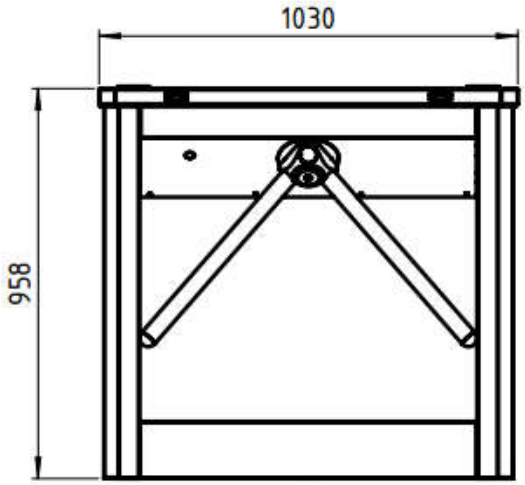
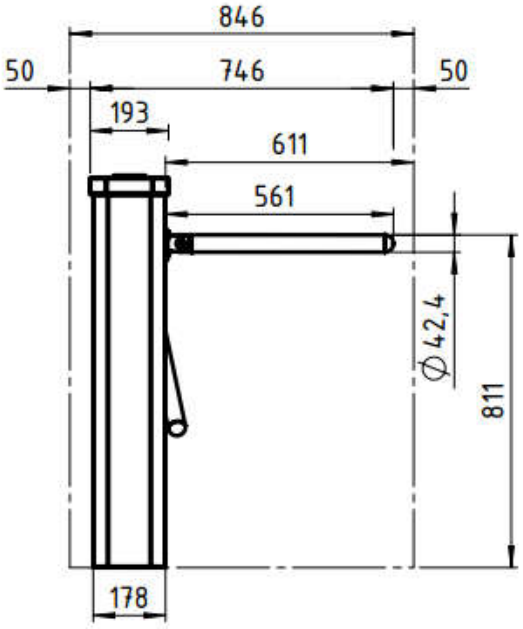
- Alarm sound/light
- Remote controller
- Further options
    - Date-, time-, voice recording
    - Storing movement directions
    - Identification
    - Displaying name
    - Recording reason of leaving
    - Working hours' balance
    - Permission authorization
    - Event log
    - Tune, melody signals
    - Sabotage protection
    - Remote maintenance



Operation modes

- Closed in both directions
- IN direction opened with authorized card
- OUT direction opened with authorized card
- Both directions opened with authorized card
- Both directions opened (without card)
- IN direction opened (without card)
- OUT direction opened (without card)
- Service mode

Versions

There are two types of gates according to emergency responses.

1. **ProxerGate3E: drop arm/ panic arm version; basic model.** In case of a **fire alarm** one arm is automatically dropped, **providing free passage.**
2. **ProxerGate3:** In case of a fire, emergency the Proxergate3 rotating arm automatically switches into free to turn mode. Authorization checking becomes disabled, card reading is not required, and everyone is allowed to pass. The gate turns automatically before the person. – *only at previous production*