record R 62

Interlock security gate as an access control system

Restricted Area

record R 62

record R 62

Interlock security gate as an access control system

The record R 62 security portal guarantees secure access control for vulnerable and specially protected areas. Two round sliding doors are connected to each other by design to create an interlock gate system for separating people. Authorisation takes place in front of the portal, e.g. automated authorisation using a card reader or fingerprint, or is done manually by security personnel.

An additional check can also be made inside the portal to check whether several people are inside it without authorisation. This can be done using pressure contact mats or 3D-cameras, depending on the safety level. Further authorisation can also take place inside the portal.

An integrated control system analyses all sensors and opens or closes both doors one after the other as appropriate.

Designs

The record R 62 is available with three passage widths of 600, 900 or 1100 mm. The two larger versions are wheelchair accessible. A variety of design options are available to you to ensure that the interlock gates can be incorporated harmoniously into the overall architectural setting. They can be visually open and light as a glass construction, or they can be opaque. In addition to an anodised finish, powder coating in any RAL colour is also available as a surface treatment for the metal parts. Stainless steel casing is also optionally available.

All components are fully integrated into the hood and are secured to prevent unauthorised access. No external control cabinets are necessary, simplifying incorporation into existing security concepts. The assembly can be installed on a recessed floor ring or on the finished floor.

The advantages at a glance

→ Covers various security levels

→ Anti-tailgating monitoring

→ Anti-piggybacking monitoring

→ Fully integrated components. No external control cabinets are necessary.

→ Low hood height of 220 mm – the system can therefore also can be used in confined spaces

→ Only minor preliminary structural work is necessary

→ For indoor and outdoor applications

→ Wheelchair accessible versions are available

→ Anodised aluminium, powder coating or stainless steel configurations possible

→ Individual components are easily accessible for maintenance

→ Connection to building management systems is possible

Technical design

→ 5 operating modes can be selected via BDE-S key-operated program selection: doors locked, monitoring in the "outside to inside" direction, monitoring in the "inside to outside" direction, monitoring in both directions and both doors permanently open.

→ Access information via traffic light control

→ Panic button inside the portal for escaping in an emergency through the door that was opened last

→ LED lighting in the ceiling

→ Super User function for deactivating monitoring for one cycle via a special privilege (e.g. for people in wheelchairs, material handling, etc.).

→ Easy-access service connection socket in the frame profile

→ record STA 20 drive from the tried and tested record sliding door family for all passage widths

→ PLC control unit from the record FlipFlow, used for many years as an airport interlock gate

Passage capacity

Between 4 and 6 persons per minute can pass through the interlock gate, depending on the security setting.

Design

Door and drum wall glazing is available in thicknesses and designs such as VSG or P5A. Other glazing options are available on request. Drum walls and / or doors are also available as opaque panel walls.

The anodised finish or powder coating are available in any RAL colour. Stainless steel casing is also optionally available. Other materials are available on request.

Sizes

Passage widths are 600 mm, and 900 mm or 1100 mm for the wheelchair versions.

Available documentation:

→ Instructions

→ Brochure

→ CAD drawings

→ BIM model

→ Animated illustration of security levels

record
your global partner for entrance solutions

record R 62

record R62

Interlock security gate as an access control system

Security Levels

With multiple security levels, various security concepts can be incorporated into the record R 62. A distinction is made here between access by means of a chip, iris recognition and similar, an extended security level with a pressure sensitive floor mat and a high security variant with a 3D scanner for the interior.

In addition to these three automated security concepts, there is also the option of having access controlled purely manually from the outside by security personnel.

Security Level: Low

Without sensor technology for automatically monitoring the number of people. For use as an interlock gate for separating people

Operation

→ First door opens (for example after successful release by the access control system)

→ Second door opens as soon as the first door has closed again or

→ the user inside the portal is authorised again, e.g. by using a card reader provided by the customer, or

→ external signal from security personnel

Security Level: Middle

Anti-tailgating monitoring. To prevent a second person from following an authorised person into the interlock gate unnoticed.

Equipment

→ 2-zone pressure contact mat for monitoring the number of persons

Operation

→ First door opens (for example after successful release by the access control system)

→ As soon as the first door has closed again, a second door opens and the pressure contact mat detects only one person inside the portal.

Security Level: High

Monitoring of anti-tail gating and anti-piggybacking. Prevents a person from passing an additional, unauthorised person through the interlock gate.

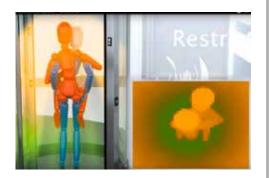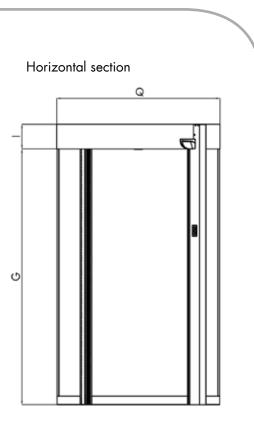#### Equipment

→ 3D-camera for monitoring the number of people

Operation

→ First door opens (for example after successful release by the access control system)

→ A second door opens as soon as the ceiling-mounted 3D-camera has ensured that only one person is inside the portal.

Technical Information

Passage width A

Outside diameter Q

  20 mm aluminium profile

  30 mm aluminium profile

Passage height G

G with 3D camera

Hood height

Overall height

Wheelchair accessible[2]

Security Level

  Low (without sensor; interlock gate function)

  Middle (pressure contact mats; anti-tailgating)

  High (3D camera; anti-tailgating & anti-piggybacking)
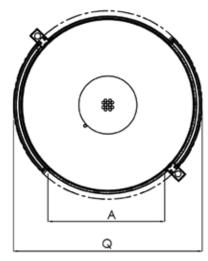
Electrical connection data

Connection data STA 20

Rated voltage

Mains fuse

Power consumption

Control voltage

Mains fuse in the control system

Protection class

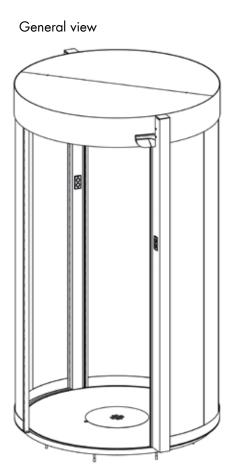Protection type

Temperature range

Moisture content range

1) min. 2 420 mm for High security level
2) local regulations may vary

600 mm	900 mm	1100 mm
1035 mm	1455 mm	1735 mm
1090 mm	1510 mm	1790 mm
2100 – 3000 mm	2100 – 3000 mm	2100 – 3000 mm
2200 – 3000 mm	2200 – 3000 mm	2200 – 3000 mm
220 – 1000 mm	220 – 1000 mm	220 – 1000 mm
min. 2320 mm[1]	min. 2320 mm[1]	min. 2320 mm[1]
–	●	●
●	●	●
●	●	●
●	●	●

Horizontal section

100 – 240 VAC, 50 / 60 Hz (STA 20); 115 VAC 50 / 60 Hz (USA)

16 A circuit breaker with tripping characteristic C or K

max. 700 VA

24 VDC (safety extra-low voltage supply)

T4A (per door control)

1

IP 20

– 15° to + 50°C

up to 85 % rel. humidity, non-condensing

General view

Vertical section

record R 62

record R62

Interlock security gate as an access control system

Options & connection options

With the record R 62, we offer you a full range of options for optimum adaptation to structural conditions and security requirements.

Options

→ Additional "Cleaning" operating mode

→ Additional "Maintenance" operating mode

→ Flashing light (display of alarm messages)

→ Voice module (instructions for the user via speakers)

→ Anodic coating of aluminium parts (except ceiling plates)

→ Door and drum wall glazing is available in thicknesses and designs such as VSG, insulating glass (not for 600 mm), P4A or P5A

→ Panel walls (fixed, movable or combined) for opaque protection

→ Weather protection hood for outdoor applications

→ Security package with optical sensors and vertical light sensors for contactless protection of the closing edges

→ Traffic light display, secure side, inside/outside

→ Traffic light display, public side, inside/outside

→ Mechanical manual release with optional motor disconnection to enable manual door opening by pushing or automatic door opening

→ Potential-free VdS contacts (monitoring of door position for on-site alarm system)

Connection options

The following connections are available as permanently assigned inputs:

→ Lockdown (emergency opening, i.e. the installation enters safe condition – one door is locked, the other door opens)

→ Total opening (emergency opening of both doors)

→ Access door opening (e.g. using a code, card readers, on-site button, etc.)

→ Super User (e.g. using a code, card readers, on-site button, etc.).

→ Connection for programming devices (Service Display and FPC)

→ 2 connections for service flaps switch (monitoring of the service flaps)

16 status signals are also optionally available – this enables various parameters to be transferred to a building management system.

Connection to building management systems

The record R62 interlock security gate has numerous freely configurable connection options to permit full integration of the gate into new or existing building management systems.

The following can be queried:

→ Operating mode

→ Error messages

→ The general status of the interlock gate

This means that operating times, for instance, can be controlled: various parameters and operating modes are used to configure the flow of people and building protection. This makes it possible to focus on the maximum flow of people during standard working hours, while building protection, with access restrictions, takes priority at off-peak times.

When using an appropriate access control system, individual and personal access rights can also be configured. The way in which identification takes place (card reader, fingerprint, iris scanner, keys etc.) can also be selected at will.

Restricted Area

record R 62

Contact

→ **record UK limited**

Head Office: Unit D, 9 Watt Place – Hamilton International Park – Blantyre – G72 0AH – UK

Central Office: 450a Bradford Road – Batley, WF17 5LW – UK

Southern Office: 17 Invincible Road – Farnborough, GU14 7QU – UK

tel.: +44 1698 376411 – fax: +44 1698 376422 – info@recorduk.co.uk – www.recorduk.co.uk

→ **record global export**

agtatec ltd – Allmendstrasse 24 – 8320 Fehraltorf – Switzerland

tel.: +41 44 954 91 91 – e-mail: export@record.global – www.record.global

→ **Headquarters**

agtatec ltd – Allmendstrasse 24 – 8320 Fehraltorf – Switzerland

tel.: +41 44 954 91 91 – e-mail: info@record.group – www.record.group

record
your global partner for entrance solutions