

The **ClearLock** series booths are designed to provide high security access control and management of pedestrian flows.

Resulting of more than 20 year experience, their design and robust execution allow easy integration in prestigious site such as office buildings, airports, laboratories, sensitive sites.

Consisting of a frame, a painted steel housing and glass panels, the high security **ClearLock** series booths provide thermal insulation and high visibility with their surroundings.

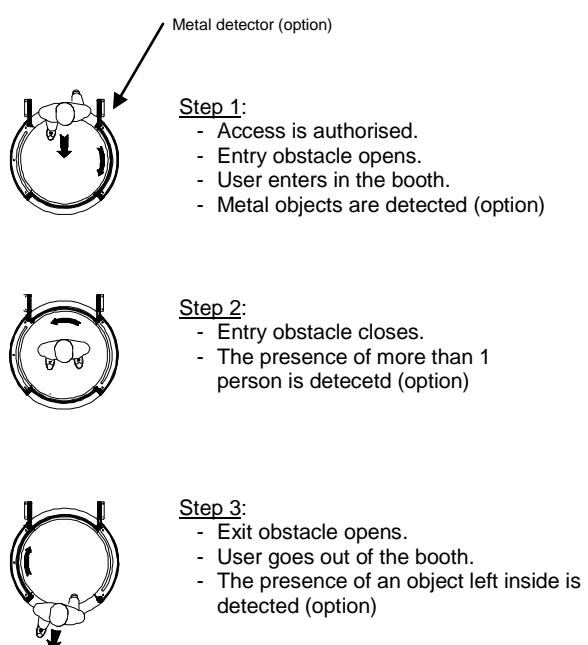
The high security **ClearLock** series booths are motorized and bidirectional.

The high security **ClearLock 630** booth has a free passage area of **580 mm** and an external diameter of **1050 mm**.

DESCRIPTION

1. Painted steel **upper casing** containing the drive mechanism and the control board of the security door.
2. **Mobile obstacles** in laminated clear glass P3A 11/12 mm thick. Each leaf is equipped with a protection ensuring the user safety.
3. **Lateral panels** made of painted steel and laminated clear glass BR2/S P6B 20/21 mm.
4. High rigidity resin **base**, 20 mm thick, ensuring the frame fastening to the ground.
5. **Control board & motorization** comprising:
 - Programmable electronic board.
 - Remote console for operating mode adjustment.
 - Connection terminals including RS485 interfaces ports.
 - Input/Output interface board.
 - 24V DC power supply.
 - Back-up batteries (2) ensuring 100 cycles in case of power failure.
 - 24V CC motors controlled by the programmable electronic board, ensuring fast movements with progressive acceleration and deceleration at the end of the cycle.
 - Electro-mechanical lock of the obstacles at the end of the cycle (with unlocking of the Entry in case of power failure).
 - Safety cells for reopening in case of presence detected in front of the obstacles (anti-pinch safety).
6. **LED lights** for passageway lighting.
7. **Function pictograms**: red and green LED displays informing about the status of the security booth.
8. **Presence sensor**.

OPERATING PRINCIPLE



SURFACE TREATMENT

All the mechanical parts are treated against corrosion by electro zinc, according to RoHS norms.

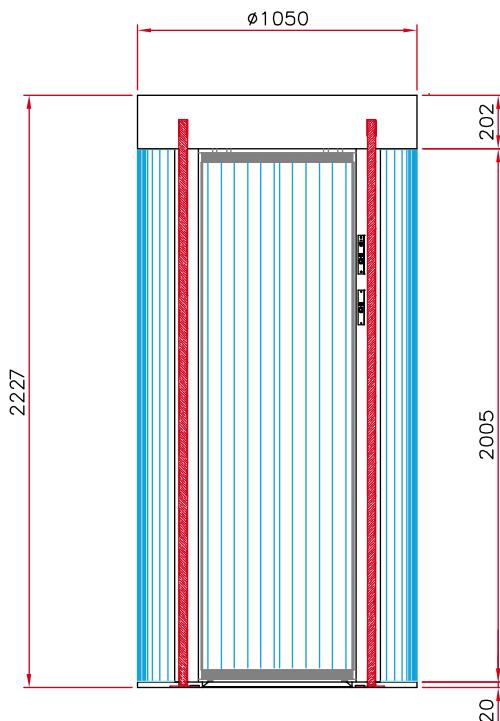
Standard RAL paint coating choice:

RAL3020 Red - RAL7001 Grey - RAL9005 Black
RAL5010 Blue - RAL6024 Green - RAL9010 White.

STANDARD TECHNICAL CHARACTERISTICS

Power supply	230V single phase, 50/60 Hz, 10A + ground
Geared motor	50 W, 24 V CC
Torque limiter	electronic
Speed	programmable
Passages (out of action time of the access control device)	5 to 6 users/min/1 direction 8 to 9 users/min/2 directions
Power consumption	75 W
Weight	450 to 600 kg, depending on glasses
Operating t°	-10° to + 45° C
Max relative humidity	90%, without condensation
Protection index	IP33 (with optional roof)
Shock resistance	IK09 (housing)
MCBF	2 Mo mean cycles between failures, when respecting recommended maintenance
CE	Conforms to European norms

STANDARD DIMENSIONS (mm)



OPTIONS

1. Metal detector.
2. Left object detector.
3. Single presence detector.
4. Entry and/or exit motion detector for opening.
5. Stainless steel base, 12 mm thick.
6. Double contact mat.
7. Kit for TCP/IP communication with the remote console.
8. Voice messages board.
9. Heater for operation down to -20°C.
10. Pushbutton for opening command.
11. Key lock for the Entry obstacle (outside the site).
12. Manual unlocking of the Exit obstacle (inside the site).
13. Housing other RAL paint or flat finish paint.
14. Housing 304L stainless steel (brushed or mirror polished).
15. Emergency opening pushbutton inside the booth.
16. Waterproof IP33 roof (half or complete).
17. Intercom inside or outside the booth.
18. Free height passage 2300 mm.
19. Adaptation for UL power supply 230/110 V AC.
20. 12/13 mm BR1/S P2A glasses for obstacles.
21. 20/21 mm BR2/S P6B glasses for obstacles.
22. 26/27 mm BR3/S P6B glasses for obstacles.
23. Milky glass finish.
24. Electronics in separate cabinet.
25. Booth delivered disassembled.

WORK TO BE PROVIDED (NOT SUPPLIED)

(refer to the installation drawing CH7793)

- Fixation to the floor.
- Power supply.
- Connection wire between booth and access control device.

