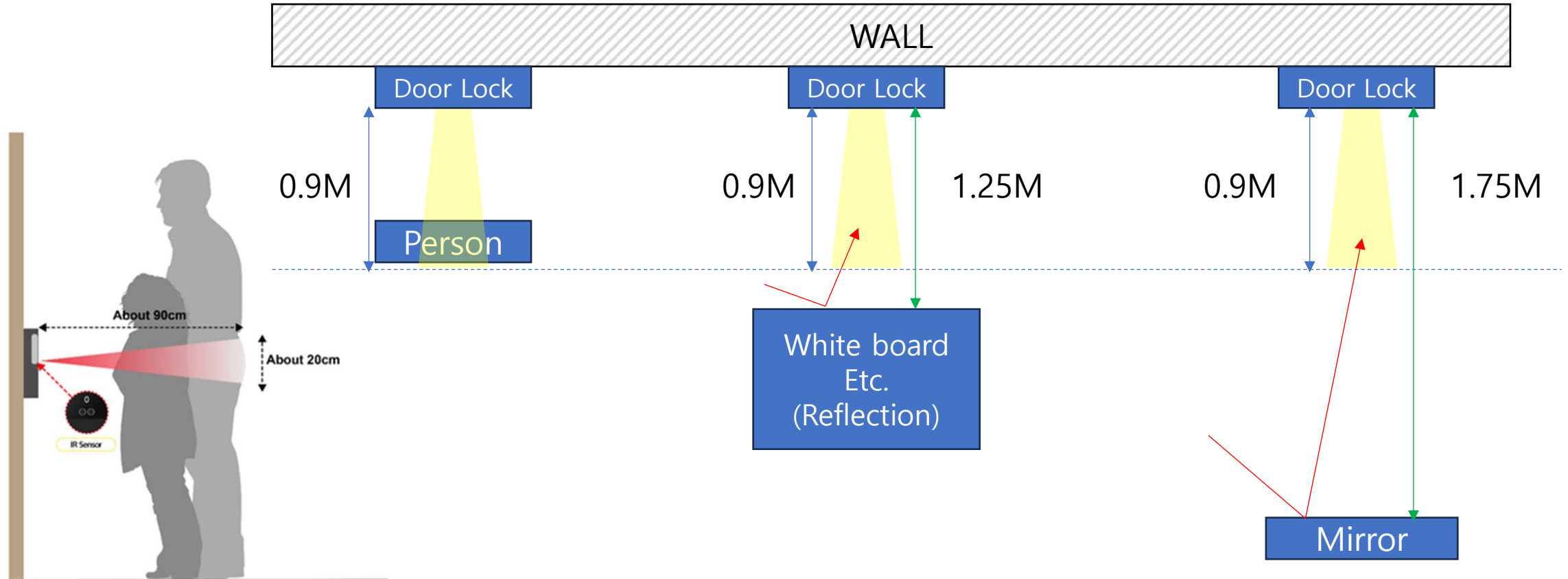


IR Sensor Usage Guide for Face ID

ES-S740D & ES-S510D/H

Date: 2024.05.28

1. Auto Detection(IR Sensor) Overview



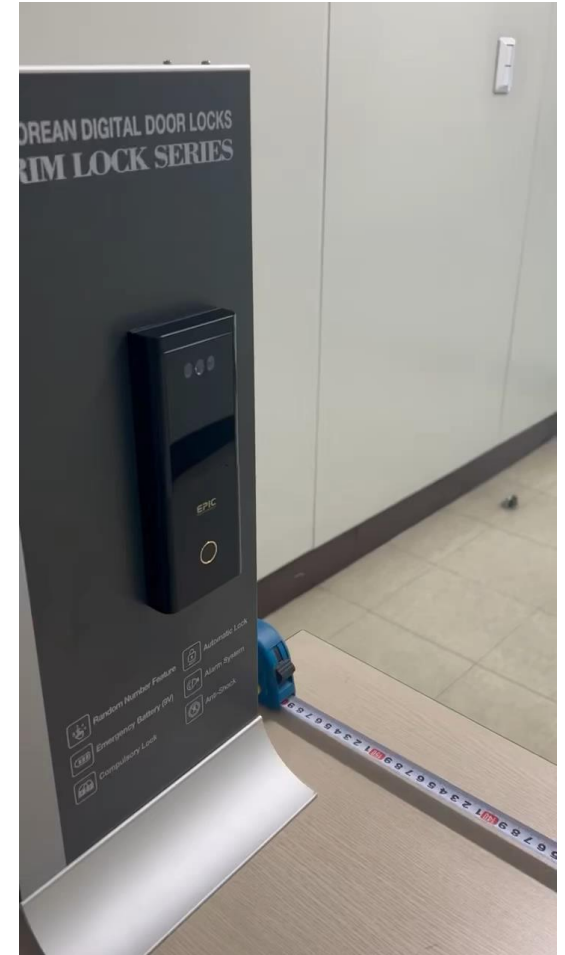
2. Auto Detection(IR Sensor)

Auto Detection Distance in Person (0.9M)		Auto Detection Distance in White board etc(Reflection) (1.25M)		Auto Detection Distance in Mirror (1.75M)	
▶ Test Condition 1) Distance: 0.9M 2) Total height: 1.2M 3) Environment: Person	▶ Test result IR Sensor detect in 0.9M	▶ Test Condition 1) Distance: 1.25M 2) Total height: 1.2M 3) Environment: White board	▶ Test result IR Sensor detect in 1.25M	▶ Test Condition 1) Distance: 1.75M 2) Total height: 1.2M 3) Environment: WC Mirror	▶ Test result IR Sensor detect in 1.75M
					

★ The test result and test video are just a reference use only. It is different from door lock installation environment.
We kindly request you to check the installation environment before installation.
If there is wall vs wall environment, we kindly request you to use IR Sensor ON/OFF setting(Refer to 6 page)

3. Installation Environment Check before installation

1. The IR Sensor recognizes far consequently if there is a reflective object in front of IR sensor(The sensor distance is not that the sensor distance is extended).
 2. Recommend you to check the installation environment before installation. Please refer to the video. 
 3. In case of that there is a narrow walls and reflective object, please do not install the face lock.
 4. If the client really want to install the face lock, please use IR Sensor OFF Mode.
- ★ Caution: The face locks which are in first and middle from the elevator can take battery power consumption a lot.

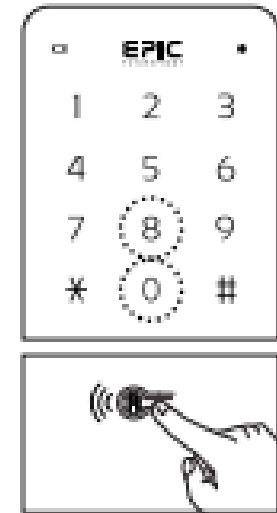


4. About IR Sensor

1. Once the IR Sensor detect an object within the detection distance, It does not detect another object until releasing the detection of the previous detected object.
2. Recommend to avoid the installation of door lock in case that there is an object or obstacle within 2M from the door lock opposite side.(In case of installation, set the IR sensor OFF and use manual authentication.

3. IR Sensor ON/OFF setting

- 1) Touch the number pad to turn on all LED
- 2) Enter the user pin number followed by the [#] button twice.
(First registration: Initial user pin number [1234]+[#] button)
- 3) Press the [8] button or [0] button
- 4) Press the [Registration] button to complete the setting



- ◆ LED [8] : IR SENSOR ON
- ◆ LED [0] : IR SENSOR OFF

◆ LED [8] : IR SENSOR ON

◆ LED [0] : IR SENSOR OFF

◆ Automatic authentication and manual authentication are possible.

Automatic authentication: When the IR Sensor is detected in the locked state, authentication starts.

Manual authentication: Touch the number pad in the lock state and press the LED [*] button for 1 second to start authentication.

◆ The IR sensor can be detected up to about 0.9 ~ 1 M.

◆ In the unlock state, IR sensor detection is not performed, and automatic detection is performed after 7 seconds of locking operation.

◆ In the IR Sensor ON or OFF state, manual authentication is available.

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4. If IR Sensor detect all object, It will make the battery take a lot of consumption.



(For an Example)

If install the ES-S740D & ES-S510D in this environment, The door lock at the end house can detect an object a little. However, the door locks at the middle houses from the elevator can detect an object a lot. In this case, we recommend to use door lock with IR ensor OFF to save the battery consumption.

THANK YOU