

WAFERLOCK®
Security = Simplicity

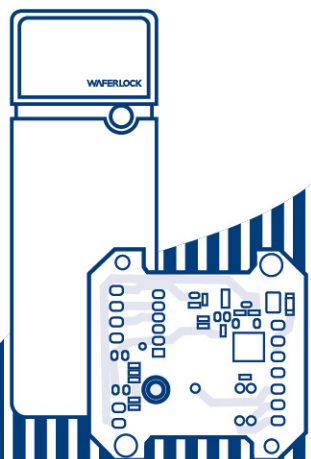
R110

Wall Reader

R210

Wall Controller

Assembling Manual



www.waferlock.com

Parts list of R110 / R210

1. R110 X 1 pc (if ordered)
2. R220 X 1pc
 - a. Surface mount box OR Flush mount socket
 - b. Screw bag X 1pc

• Power Adaptor is not included

CE Marking

This device has been tested to and conforms to the regulatory requirements of the European Union and has attained CE Marking. The CE Mark is a conformity marking consisting of the letters "CE". The CE Mark applies to products regulated by certain European health, safety and environmental protection legislation. The CE Mark is obligatory for products it applies to: the manufacturer affixes the marking in order to be allowed to sell his product in the European market.

This product conforms to the essential requirements of the R&TTE directive 1999/5/EC in order to attain CE Marking. A notified body has determined that this device has properly demonstrated that the requirements of the directive have been met and has issued a favorable certificate of expert opinion. As such the device will bear the notified body number 0560 after the CE mark.

The CE Marking is not a quality mark. Foremost, it refers to the safety rather than to the quality of a product. Secondly, CE Marking is mandatory for the product it applies to, whereas most quality markings are voluntary.

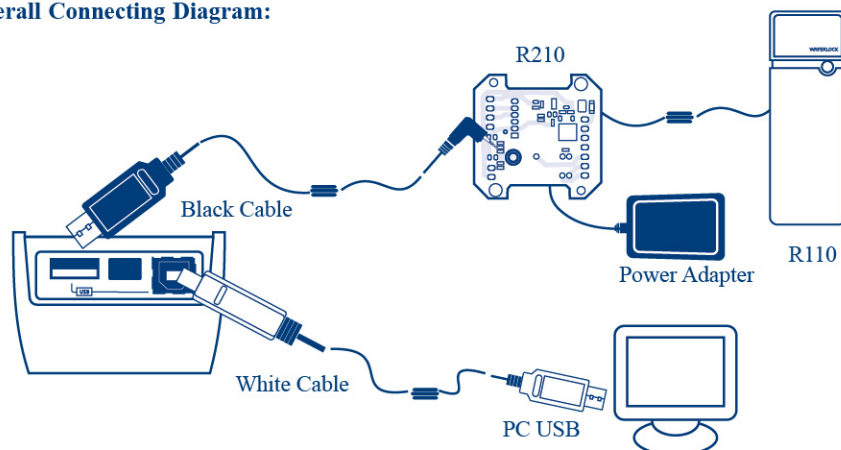
Marking: The product shall bear the CE mark, the notified body number(s) as depicted to the right. CE 0560.

WFE TECHNOLOGY CORPORATION

Tel: 886-4-22300362 Fax: 886-4-22377995
No. 16 Ke Yuan 2nd Rd., Central Taiwan Science Park
Taichung city 407, Taiwan.
e-Mail: info@waferlock.com

- ◎ Following is the instruction of using Waferlock R110/R210 Wall Reader and Wall Controller. Please note the necessary power voltage for R210 Wall Controller before plug Power Adaptor (DC12V / 1A) into your local electric socket on the wall. Result of overload of power will burnout the equipment.

Overall Connecting Diagram:



A. Wiring Instruction for R110 wall reader to R210 wall controller

Note:

Failed to connect wrong color of wire to wrong pin will not able to trigger R110 function right.

Specification for each pin:

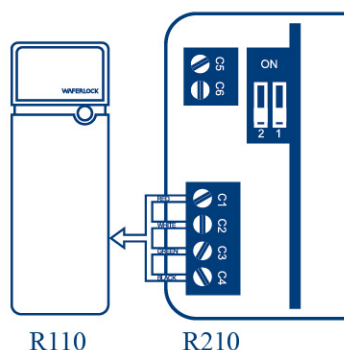
C1	Red color wire
C2	White color wire
C3	Green color wire
C4	Black color wire
C5/C6	SHORT

Note:

C5, C6 pins reserved for Input usage only.

Setting up the signal wires:

1. Connect Red wire to C1.
2. Connect White wire to C2.
3. Connect Green wire to C3.
4. Connect Black wire to C4.
5. If connected wrong color of wires, R110 Wall Reader will not function.



B. Power Instruction for R210 wall controller

Note:

Operation Voltage: DC 12V/1A

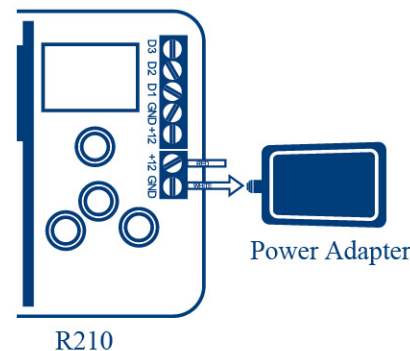
Specification for each pin:

+12	DC + 12V
GND	GND
D1	COM
D2	NC
D3	NO

N.C./N.O. max contact rating: 3A/28VDC

Setting up the power:

1. Connect the White wire to GND pin hole.
2. Connect Red wire to +12 pin hole.
3. Connect power adaptor (DC12V/1A) to the power socket on the wall
4. If power is well connected R110 Wall Reader will keep flashing the LED light.
5. If LED is not flashing, please checking if the wire are well connected or if power adaptor is working connect.



Note:

If you want to use emergency unlock, please make sure the lock supports NO signal. Otherwise the lock may be caused burnout

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.