

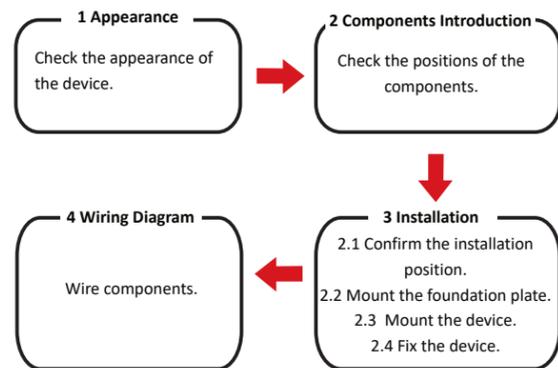


Sliding Gate Opener

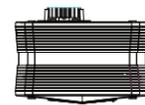
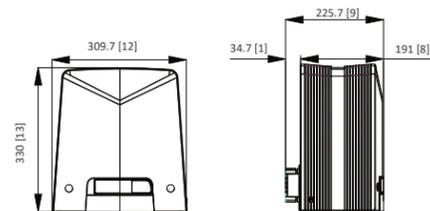
Quick Start Guide

UD41684B-C

Quick Start Flow Chart



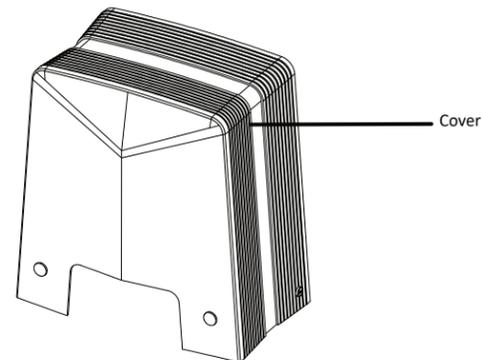
1 Appearance



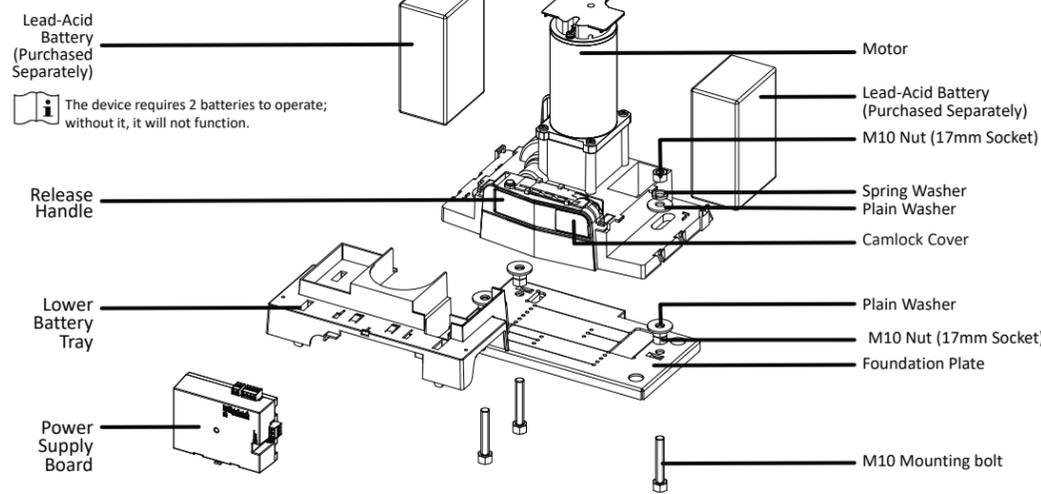
Unit: mm [inch]

The figures are for reference only.

2 Components Instruction



Wi-Fi / 4 G Module
 By default, the device contains Wi-Fi module. You should remove the Wi-Fi module to replace the 4 G module.

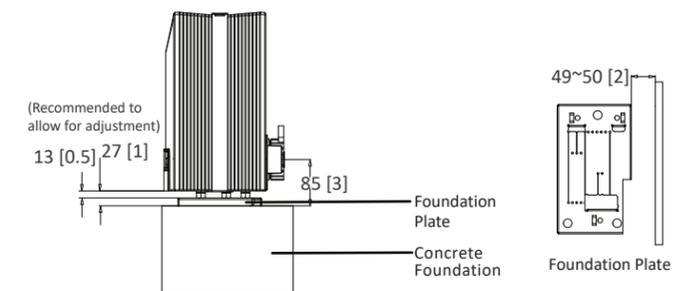
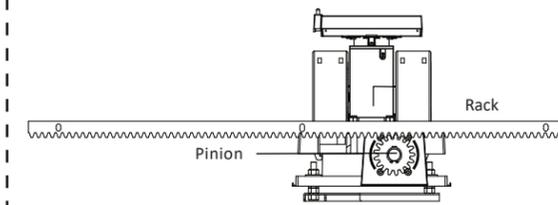


The device requires 2 batteries to operate; without it, it will not function.

3 Installation

Positioning and Clearance Verification

1 Locate installation position and reserve clearance.

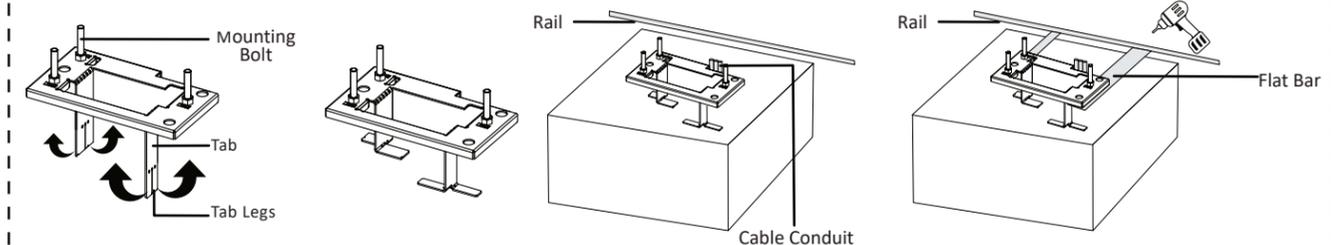


- Check for wheels, palisade, uprights, etc. that could potentially collide with the pinion.
- 3mm clearance required between rack and pinion.
- Minimum space from edge of foundation plate to reference point of edge that protrudes the furthest is 49 to 50 mm.
- During installation: DO NOT insert hands into the gear/rack area. Hazard: Risk of finger crushing, shearing, or entanglement in moving parts.

Foundation Plate Installation

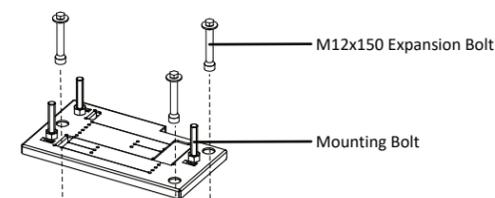
2 New Concrete Foundation

Tighten M10 half nuts to 20Nm on mounting bolts.
 Bend foundation plate tabs to 90° with pliers, then bend each tab's legs 90° in opposite directions.
 Place the cabling conduit.
 Cast plinth with 25MPa concrete to specified dimensions.



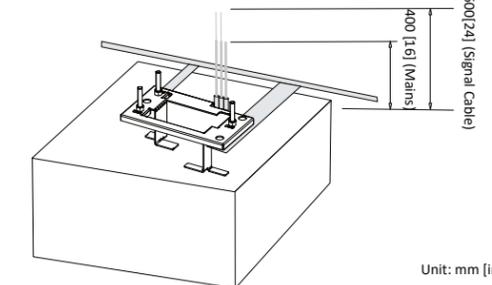
3 Existing Concrete Plinth

Place the foundation plate down in the correct position and use the plate as a template for marking the rawl bolt holes.



4 Route the Cables

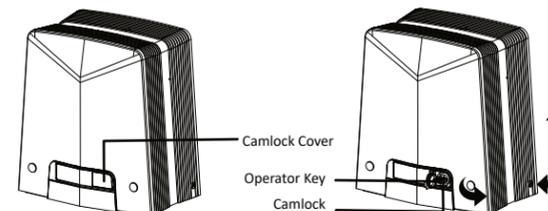
Cast the conduits and route the cables.



Gate Opener Installation - Remove the Components

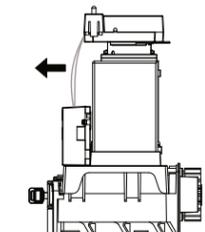
5 Remove the Cover

Insert the operator key into the camlock to unlock the product cover.
 Push the side button and at the same time open the camlock cover.



6 Remove the Cables

Disconnect the motor power cables, encoder cables, and power supply cables.



User Manual



Wiring & Installation Video



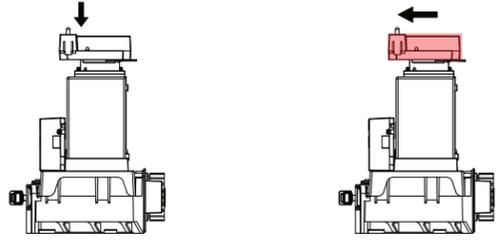
3 Installation

The diagram is for reference only. Refer to actual products for details.

Gate Opener Installation - Remove the Components

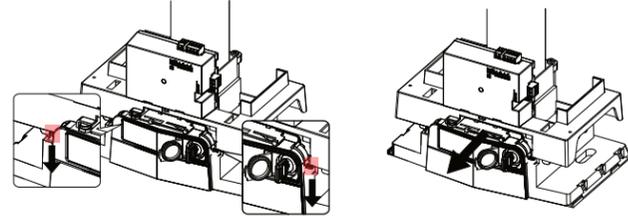
7 Remove the Control Board

Press down the front side of the board, then pull forward gently to remove the control board.



8 Remove the Lower Battery Tray with Power Supply Board

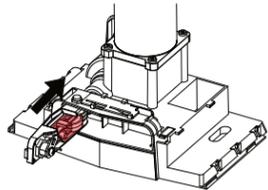
Gently press down on the buckles, then pull the lower battery tray forward to remove.



Gate Opener Installation - Fix the Gate Opener

9 Manual Override

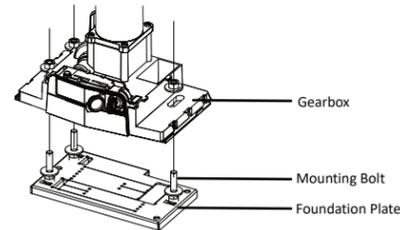
Open the handle, slide the override cam (located inside the handle) toward the gearbox until you hear a click. Then close the handle.



10 Mount the Gearbox

Place the gate opener into position over the three mounting bolts, aligning them with the three slots at the bottom of the gearbox.

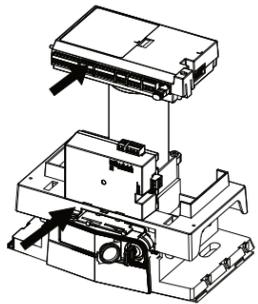
After securing the foundation plate, it is required to fasten another nut and flat washer on the three studs; otherwise, the cover may crack.



Gate Opener Installation - Restore the Components

11 Restore the components

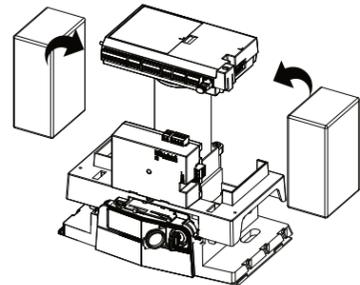
Restore the control board, and the lower battery tray the power supply board by pushing them backward gently.



12 Install the batteries.

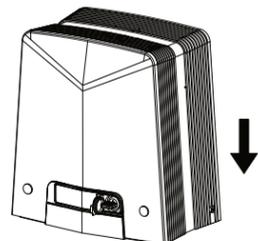
Put the batteries into slot.

This battery is inside the device and is charged by the device's power supply. You should purchase 2 batteries (lead-acid battery) that meet the working voltage of 12 V, 7 AH, working temperature of 75°C, and dimension within 66 mm × 49.5 mm × 177.5 mm.



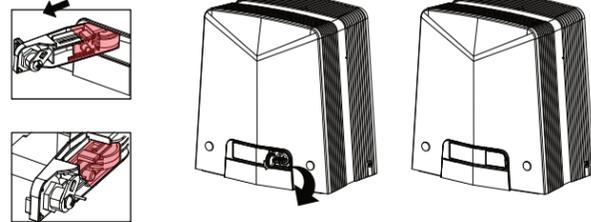
13 Install the Cover

After wire according to Wiring Diagram, put the gate opener cover down gently.



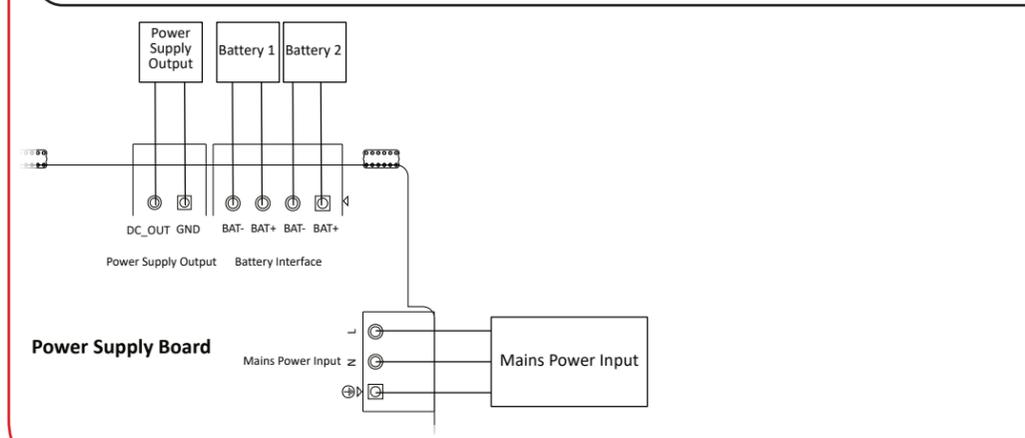
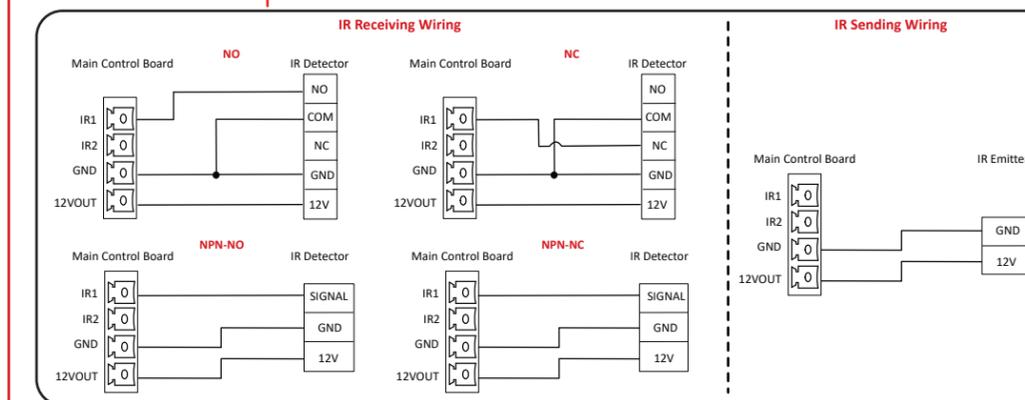
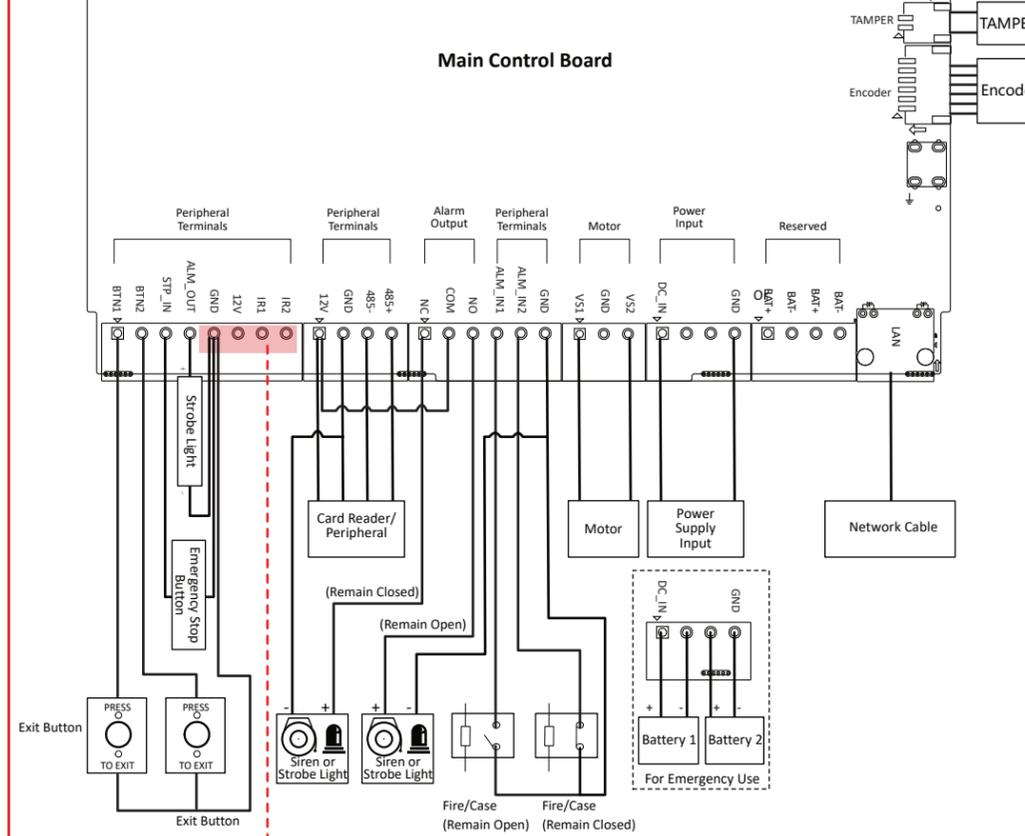
14 Restore the Override

Push the override cam to the outside. Insert the key into the camlock, lock it by turning the key clockwise, then close the camlock cover.



4 Wiring Diagram

- Set Negative (NC) to trigger NO and NPN-NO IR; set Positive (NO) to trigger NC and NPN-NC IR.
- The ALM_IN ports are for event input, connecting to fire alarms or other events.



Safety Instruction

- Warning**
 - In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
 - CAUTION:** To reduce the risk of fire, replace only with the same type and rating of fuse.
 - The equipment must be connected to an earthed mains socket-outlet.
 - Keep body parts away from motors. Disconnect the power source during servicing.
 - This product is powered by 220 VAC, and a warning label is attached to the high-voltage area after the equipment shell is disassembled. The warning label has insulating properties. Please do not tear the warning label if it is operated with electricity.
- Caution**
 - Ensure correct wiring of the terminals for connection to an AC mains supply.
 - The equipment has been designed, when required, modified for connection to an IT power distribution system. The device cover for indoor use shall be kept from rain and moisture.
 - No naked flame sources, such as lighted candles, should be placed on the equipment.
 - The serial port of the equipment is used for debugging only.
 - 1. Install the equipment according to the instructions in this manual.
 - 2. To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
 - CAUTION:** This equipment is for use only with bracket. Use with other (carts, stands, or carriers) may result in instability causing injury.
 - With safety beam sensors installed, the door wing will automatically pause or back if the sensors detect personnel intrusion during the process of opening or closing the door.
 - When personnel blocks the door wing intentionally or unintentionally, this product will automatically detect this situation, and automatically pause or back according to DIP8.
 - The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children being supervised not to play with the appliance.
 - Do not allow children to play with the appliance or its controls, including remotes.
 - WARNING:** the drive shall be disconnected from its power source during cleaning, maintenance and when replacing parts.
 - WARNING:** Important safety instructions. It is important for the safety of persons to follow these instructions. Save these instructions.
 - WARNING:** Important safety instructions. Follow all instructions since incorrect installation can lead to severe injury.
 - Do not allow children to play with fixed controls. Keep remote controls away from children.
 - Frequently examine the installation for imbalance and signs of wear or damage to cables, springs and mounting. Do not use if repair or adjustment is necessary.
 - Activation of the manual release may cause uncontrolled movement of the driven part due to mechanical failures or an out-of-balance condition.
 - The installer is to check that the temperature range marked on the drive is suitable for the location.
 - The A-weighted emission sound pressure level LpA ≤ 70 dB(A).
 - Before installing the drive, check that the driven part is in good mechanical condition, correctly balanced and opens and closes properly. The actuating member of a biased-off switch is to be located within direct sight of the driven part but away from moving parts. Unless it is key operated, it is to be installed at a minimum height of 1.5 m and not accessible to the public.
 - After installation, ensure that the mechanism is properly adjusted and that the protection system and any manual release function correctly.
 - Permanently fix the label concerning the manual release, adjacent to its actuating member.
 - Lower limit of temperature: -15 °C; Upper limit of temperature: +55 °C

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