

3.6 Electrical connection

The 230V main connection is provided via a permanently installed socket. It should be located approx. 20 cm from the drive. Installation should only be performed by a qualified electrician!

If the voltage supply line is damaged it must be replaced by the manufacturer, his customer service or an equally qualified person in order to avoid any danger.

3.7 Affix warning sign



The warning sign indicating the danger of jamming must be permanently affixed in a clearly visible position or vicinity of permanently mounted operating controls.



The warning sign indicating the securing of the emergency release device must be permanently affixed in a clearly visible position in the vicinity of the emergency release device.



The warning sign indicating that children should not remain in the area of the opened door must be permanently affixed in a clearly visible position in the vicinity of the door swinging area.

4. Commissioning



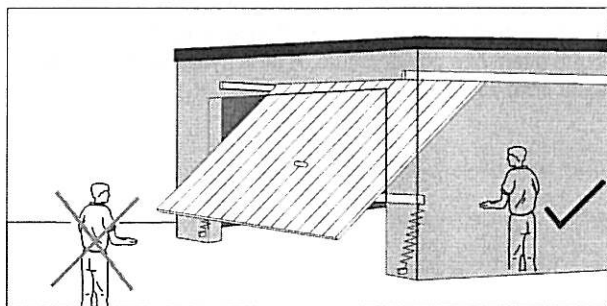
During commissioning and setting work no-one should remain in the swinging area of the garage door.



During first-time automatic commissioning you should remain inside the garage so that, in the event of a malfunction, the door may be opened again.



If springs are weak or broken or the door unevenly balanced, actuating the handheld transmitter may cause uncontrolled door movement



4.1 Manual function test

Following assembly the garage door must be opened and closed manually several times. It must be assured that the smooth action of the garage door is not impaired by the mounting of the drive.

Release the garage door drive via the emergency release (Figure 13.2)

Open and close the garage door several times

Lock the emergency release and move the garage door until the driver (H) latches in. It must then no longer be possible to move the garage door manually.

4.2 Programming procedure

- All of the mechanical installation of the opener must be completed and the door must be free running and easy to open and close by hand before proceeding to 4.3 below
- Remove the light cover (A1) only. To prevent risk of electric shock, do not remove the main cover (A) at any time during the installation, as there are no serviceable parts beneath.
- After checking that it is safe to do so, and the main cover (A) is still in place, plug in the mains plug
- In 4.3 below we will set up the travel of the door and the force required to move the door. (The radio system will be programmed later 4.4)
- If the mains power is removed at any time during the programming of steps 1 to 3 below, the programming must be restarted from the beginning after unplugging the opener; waiting 15 seconds and plugging it back in again. Wait a further 20 seconds after the mains power is reinstated before reprogramming commences.



Why do I have to wait 20 seconds after switching the power on?

When the power is reinstated for any reason, the microprocessor checks to make sure that a fault has not occurred and that all of the safety components of the opener are working properly, before it will allow the opener to move. **DO NOT OPERATE THE DOOR OR ATTEMPT TO PROGRAM ANYTHING WHILST THE SELF-TEST IS TAKING PLACE.**

4.3 Door Travel and Force Programming

During the following procedure the opener is "taught" the travel of the door and the force required for the opening and closing movement. The light sensitive barrier (if fitted) and the overload protection device are not tested at this time.

The door travel and force setting cannot be programmed using the handheld radio transmitter.

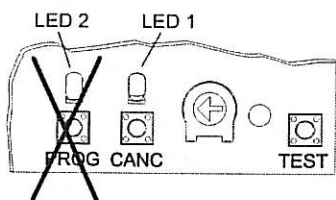
The following procedure must be completed in the exact order stated and fully completed before the opener will operate correctly.

After plugging in the opener, the control unit will carry out a self-test which must be allowed to finish before the opener can be programmed (wait 20 seconds after plugging-in).

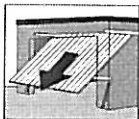
Important Note:

Do not press the button marked "Prog" at any time whilst programming the door travel and force settings.

Why? The "Prog" button is used later when programming the radio system only



Door travel and force programming

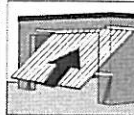


Step 1: Setting the door closed position

- 1.1 After waiting for 20 secs whilst the self-check is carried out press and hold down the button marked "CANCEL" followed immediately by the "TEST" button. Hold both buttons down simultaneously until the green LED 2 flashes quickly and then release both buttons. Wait for the red LED 1 and the green LED 2 to start flashing in unison before continuing to 1.2 below.
- 1.2 Press and hold down the "TEST" button to move the door towards the closed position and release the button when the door is approximately 100 mm from the fully closed position
- 1.3 Now press the "TEST" button repeatedly until the door is moved step-by-step to the final closed position. Do not drive the door hard against the doorframe. Stop a few millimetres before the door is fully closed. LED 2 (green) lights up.
- 1.4 Press the "CANCEL" button to store the "Closed" position into the memory. LED 1 (red) lights up. If so proceed to Step 2.

If not, unplug the mains and repeat Step 1 from the beginning before proceeding to Step 2

The door "Closed" position will not be confirmed into the memory until completion of Steps 1,2 &3



Step 2: Setting the Door open position
(this can only be done after completion of Step 1 without interruption of the mains power)

- 2.1 Press and hold down the "TEST" button to move the door towards the open position and release the button when the door is approximately 100 mm from the fully opened position.
- 2.2 Now press the "TEST" button repeatedly until the door is moved step-by-step to the final open position. Do not drive the door hard against the door open stops. Stop a few millimetres before the door is fully open. LED 2 (green) lights up.
- 2.3 Press the "CANCEL" button to store the Open position into the memory. LED 1 (red) lights up. If so proceed to Step 3.
If not, unplug the mains and repeat Steps 1 & 2 from the beginning before proceeding to Step 3

The door "Open" position will not be confirmed into the memory until completion of Steps 1,2 &3

Step 3: Setting the force required to move the door
(this can only be done after completion of Step 1 &2 without interruption of the mains power)

BEWARE: The next operation will cause the door to open and close automatically for one cycle

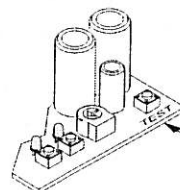
- 3.1 Press the "TEST" button briefly.
The door will now open and close once to set the force required to move the door. LED 1 (red) and LED 2 (green) flash with a time delay. After finishing programming the LEDs go out.

The LED 1 (red) flashes.

Travel and force programming is now complete.

The program is not erased if the power is cut after the opener has been fully programmed.

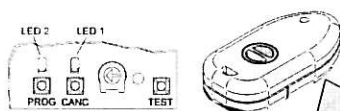
3.2



After successfully programming the opener, the "TEST" button can be used to open and close the door at any time.

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4.4 Hand held transmitter programming



A total of four handheld transmitters may be stored in the memory of the opener at any one time. Each transmitter has a unique security code that must be memorised into the opener before it can be used

Programming the First and subsequent Handheld Transmitters into the memory.

(Have 1 to 4 handheld transmitters ready for programming before proceeding to the next step)

- 1 Press and hold down the **"CANCEL"** button and then the **"PROG"** button. Hold both push buttons down until Green LED 2 flashes quickly. Then release the button and wait until both LED's flash in unison before proceeding to (2)
- 2 Press the **"PROG"** button briefly. (The two LED's will now flash alternately).
- 3 Press the handheld transmitter button. (The Green LED 2 will come 'On')
- 4 Release the transmitter button and after a brief interval of 2 seconds press the transmitter button again until the Green LED 2 flashes 10 times
- 5 Release the transmitter button. The Red LED 1 will flash slowly and programming of the transmitter is complete
- 6 Test the transmitter to check that it now operates the opener correctly. If not repeat steps 4&5

Programming additional handheld transmitters (maximum 4 in use at any one time)

- 7 Repeat steps 2 to 5 above (**not step 1 !!!!**)

IMPORTANT: do not press the **"CANCEL"** and **"PROG"** buttons when adding the second, third or fourth handheld transmitters to the memory. Pressing these buttons will delete any transmitters that were previously coded into the memory.

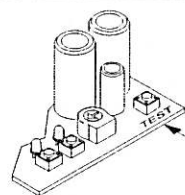
Replacing lost or damaged transmitters: The remote control memory system can only store codes for four transmitters at any one time. If you have previously had four transmitters in use with the opener and one or more have been lost or broken, it will be necessary to erase the transmitter memory completely, and reprogram all of the transmitters (max 4) into the memory following steps 1 to 7 above

Note: Too many Transmitters!!!!

If the red led on the control board flashes quickly when you are trying to program a handheld transmitter at step (4), it means that the memory system is full and the maximum of four memory spaces have been taken. Be aware that it is possible to accidentally program the same transmitter into more than one memory space. If this happens repeat steps 1 to 7 above to clear the memory and re-program the transmitters

The remote control program is not erased if the power is cut after the opener has been fully programmed correctly

4.5 TEST push button



Each press of the push button moves the door. Press the „TEST“ push button -> door moves to its end position. Press the „TEST“ push button again, during action the drive stops.