

ENGLISH

After briefly isolating the operator from the mains, repeat the "OPEN" reference travel cycle.

Note
If the operator has been programmed, a "CLOSE" maiden operation is **not** necessary.

4 Integral Radio Receiver

The garage door operator features an integral radio receiver, via which the hand transmitters transmitting the "rolling code" with the matching identification signal can be programmed for impulse sequencing operation (see 3.6). Under "rolling code" it is understood that the characteristic of the transmitted code changes with every transmission. The integral receiver is able to memorise up to six hand transmitter users (protected in the event of a power failure) for this "rolling code". This means that up to six different hand transmitter buttons can be programmed. These six hand transmitter codes are managed according to the "FIFO" principle (first-in, first-out); this means that when all the six memory locations are occupied or programmed and an additional hand transmitter button (the seventh) is programmed; the first one programmed is deleted without any warning. If a further hand transmitter button is programmed, the second one programmed is deleted without any warning etc., so that only the last six hand transmitter buttons programmed are ever stored. In the ex factory state, all the six memory locations are empty or deleted so that no transmittable code "matches". To carry out programming, the small button in the operator cover (marked "P"), the diagnostic LED from chapter 5 and the respective hand transmitter with inserted battery are required. The processes of programming and deleting can only be carried out when the operator is inoperative.

4.1 Programming the integral radio receiver for the selected hand transmitter button (see page 29, fig. 20)

- 1) Briefly press button "P" → the LED flashes slowly for a maximum of 20 sec. (readiness for programming).

Note
If the operator lighting was switched on, it will be switched off for the duration of the programming.

- 2) During this 20 sec. phase, the hand transmitter button selected for programming must be pressed. → If the code can be programmed, the slow flashing changes to rapid flashing (for a maximum of 15 sec.). The hand transmitter button can now be released.
- 3) Within this 15 sec. phase, the same hand transmitter button must be pressed again. If the receiver recognises that the **same hand transmitter button** is involved, the rapid flashing changes to an extremely rapid flashing (for approx. 4 sec.). The hand transmitter button can then be released.
- 4) When the extremely rapid flashing phase ends, this indicates that the selected hand transmitter button has been successfully programmed and the LED returns to the state it was in prior to programming.

- 5) A function test must be carried out. If this function fails, the procedure must be repeated.

4.2 Deleting the memory locations of all the hand transmitter users in the integral radio receiver

(see page 29, fig. 21)

Note
If the operator lighting is switched on, it is switched off for the duration of the deletion process.

The integral radio receiver does not allow individual hand transmitters to be specifically selected for deletion; this means that only complete deletion is possible – after which a transmittable code no longer "matches" (ex factory state).

- 1) Press the "P" button and keep it depressed for at least 5 sec. - the LED flashes, at first slowly (approx. 1 sec.), then changes to rapid flashing for approx. 4 sec. (readiness for deletion) and then to extremely rapid flashing for approx. 2 sec. The "P" button should then be released.

Note
If the "P" button is released before the 4 sec. have elapsed, the deletion process is aborted.

- 2) When the extremely rapid flashing ends, this indicates that all the hand transmitter data has been successfully deleted and the LED returns to the state it was in prior to the deletion process.

5 Error Messages / Diagnostic LED

When operation does not go to plan, a diagnostic LED, visible through the transparent button even with the operator cover attached, helps to easily identify the possible causes. In the programmed state, this LED normally glows constantly and goes out as long as an external "IMPULSE" button is pressed (see 3.4.1).

Note
Due to the above-mentioned behaviour a short-circuit in the connection lead of the external button or a short-circuit in the button itself can be recognised if normal operation of the garage door operator with the integral radio receiver or the transparent button is otherwise possible.

LED:	flashes 3 x in 5 seconds
Cause:	The "CLOSE" force limit has been activated – the safety reverse has taken place.
Remedy:	Remove the obstruction. If the safety reverse has been triggered for no apparent reason, check the door mechanics. If necessary, delete the door data and reprogramme.
Acknowledgement:	Generate another impulse via an external button, the radio receiver or the transparent button - the door opens. ➤