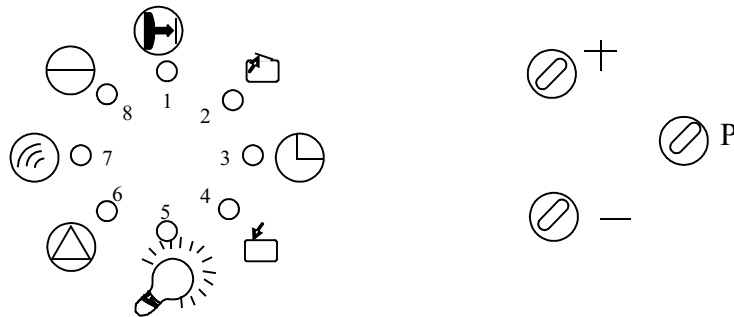


Comfort 150 Easy Programming Guide:

Before commissioning the automation, it is required that the door is easy to move by hand. Once the above condition has been met, the operator can now be installed, and the programming part of the installation can commence. Listed below is an easy to follow programming guide to setting up the C150 operator.

- Photocell
- Open position
- Timer (not used)
- Close position
- Reference point
- Error message
- Transmitter
- Power/operating state



Basic Level Programming

Before commencing with programming it is necessary to **Open and Close the door at least once using the + and – pushbuttons.**

With the door in the closed position, press and hold the (P) button for 2 seconds until all indicators come on and indicator 1 flashes, then let go of the (P) button.

Note: To ignore any step simply press the (P) button.

Step 1- External Photocell – Indicator 1:

This setting is activated as default and should be de-activated if a photocell is not being used on the door!)

- Press the (-) button once to de-activate the photocell setting and indicator 1 will flash and all the other indicators will go off, or press the + button activate the photocell setting and indicator 1 will glow while all the other indicators remain off.
- Once the desired setting has been selected press the (P) button once to store this setting.

Step 2- Open Limit – Indicator 2 :

- All the indicators will stay on and indicator 2 flashes.
- Then press and hold the (+) button and drive the door to the “open” position, until the desired position has been reached, and then let go of the (+) button. (operator runs by press and hold)
- Once the desired “open” position has been obtained, press the (P) button once to store this open position.

Step 3- Close Limit – Indicator 4:

- All the indicators will stay on and indicator 4 will now flash.
- Then press and hold the (-) button and drive the door to the “closed” position, until the desired position has been reached, and then let go of the (-) button. (operator runs by press and hold)
- Once the desired “closed” position has been obtained, press the (P) button once to store this close position.

Step 4- Open automatic cut-out (Sensitivity) – Indicators 2 and 6:

This is the force required to open a door and should an obstacle be in the way of the door, the set force will be exceeded and the door will stop. This setting has a default of indicators 1-3 glowing and indicator 4 flashing, which is sufficient force to move the average size door. If more / less force is required follow the following instructions.)

- All the indicators will glow and indicators 6 and 2 will flash rapidly.
- By pressing the ⊕ button once the default open force will be displayed. For each activation of the ⊕ button an indicator will flash. If no indicators are on then min. force will be exerted and if 8 indicators are glowing then max force will be exerted. In essence, the more indicators which are on, the more force that will be exerted for the open direction.
- By pressing the ⊖ button once the open force will be decreased by one unit. Hence the fewer indicators which are on, the lesser the force is for the open direction.
- Once the desired force setting has been selected press the ⊕ button once to store this setting.

Step 5- Closed automatic cut-out (Sensitivity) – Indicators 4 and 6:

This is the force required to close a door and should an obstacle be in the way of the door, the set force will be exceeded and the door will stop and re-open. This setting has a default of indicators 1-3 glowing and indicator 4 flashing, which is sufficient force to move the average size door. If more / less force is required follow the following instructions.)

- All the indicators will glow and indicators 6 and 4 will flash rapidly.
 - By pressing the ⊕ button once the default open force will be displayed. For each activation of the ⊕ button an indicator will flash. If no indicators are on then minimum force will be exerted and if 8 indicators are glowing then max force will be exerted. In essence, the more indicators which are on, the more force that will be exerted for the open direction.
 - By pressing the ⊖ button once the open force will be decreased by one unit. Hence the fewer indicators which are on, the lesser the force is for the open direction.
- Once the desired force setting has been selected press the ⊕ button once to store this setting.

Step 6- Programming Remote:

- All the indicators will stay on and indicator 7 will now flash.
- Then press the required button on the transmitter (remote), and indicator 7 will flash rapidly. Then release the transmitter button.
- Press the ⊕ button once to store this transmitter code to the operator.
- All indicators go out in sequence 8 – 1 and indicators 8 and 4 will come on. Indicator 8 signals that the operator is in the operating state, and indicator 4 indicates that the door is in the close position.