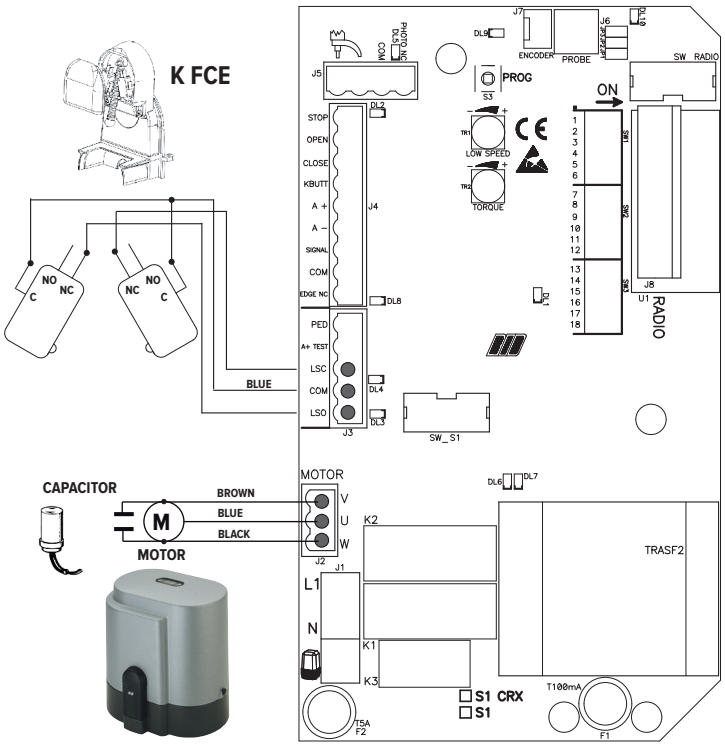
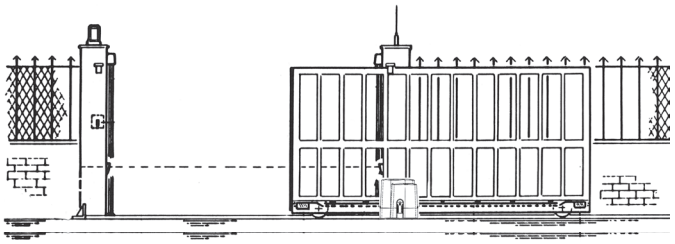
SIMPLIFIED INSTRUCTIONS FOR K800-1400-2200 FCE-FCM WITH S1-CRX

1° Connecting the motor and limit switch (done in the factory)

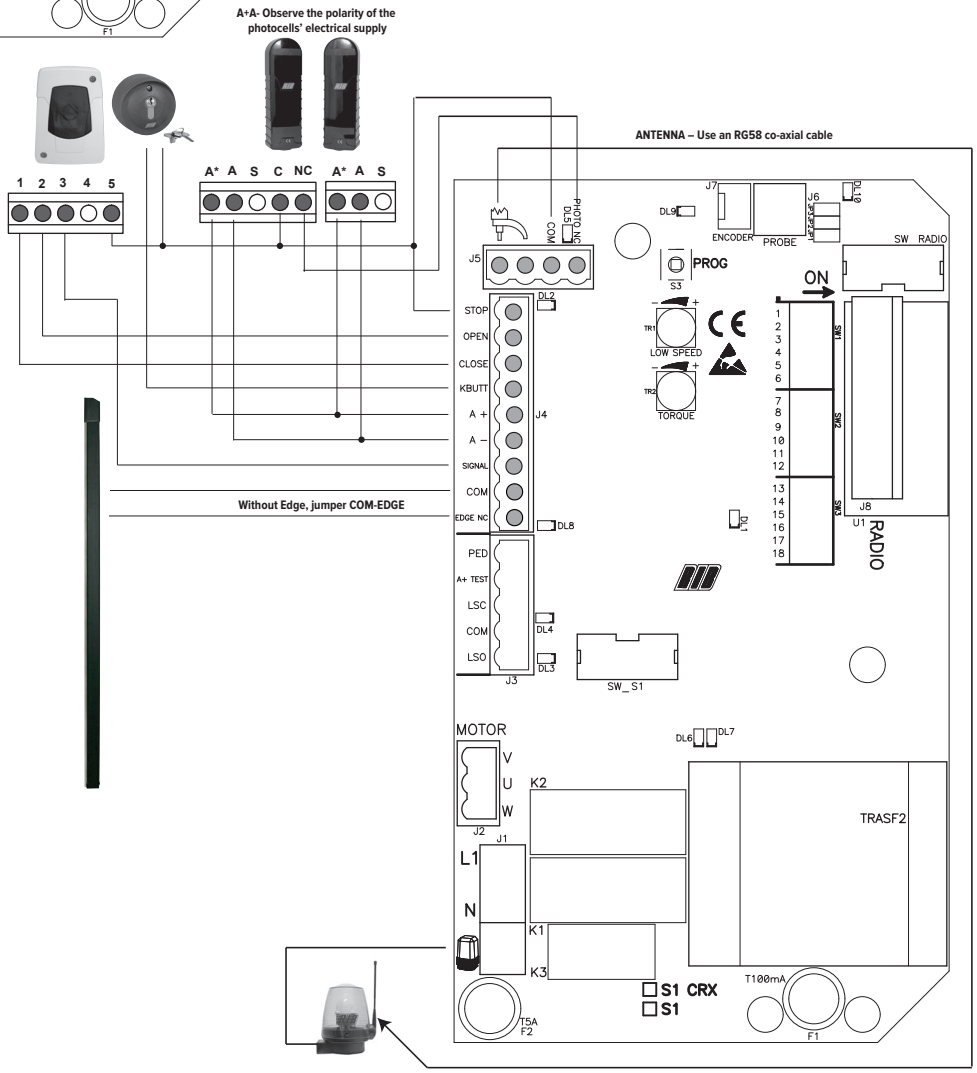




IMPORTANT

The motor is set to open towards the right.
If opening is to the left, the LSO and LSC wires on terminal block J3 and the V and W wires on terminal block J2 must be reversed.

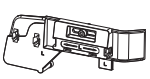
2° Connecting the accessories



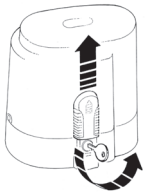
3° Installing and adjusting the limit plate cams

Place the cams on the rack.
Tighten the two screws to lock them. How to finely adjust cam intervention is explained below.

K FCE

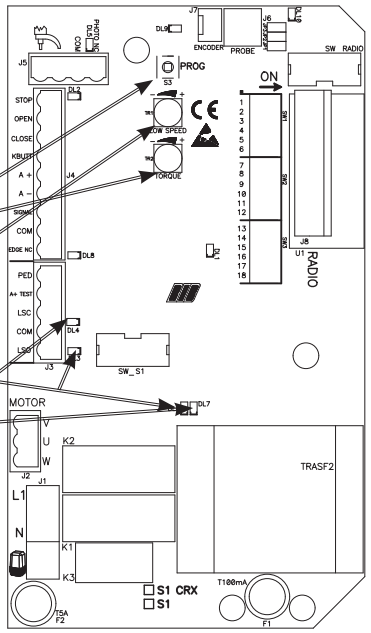


K FCM



Release the motor (turn the key counter clockwise until the limit is reached without forcing) and move the gate by hand
Check when the cams are activated.
Note: The cams must press the electric microswitches before the mobile part touches the mechanical stops.

4° Checking manoeuvre direction, force adjustment and slowing down when approaching
WE REPEAT: If the gate opens to the left reverse V and W and LSO with LSC.
Note: In this phase the gate moves only by constantly pressing the PROG button and is the step-by-step type which means that each time the PROG button is pressed we have an open-stop-close-stop-open ... manoeuvre.
To confirm that the configuration is good check the LEDs as described below.
a) Set the microswitches for K800 DIP 1-2-4-5-6-8-9-11-12-13-14-15-16-17-18 on OFF and DIP 3-7-10 on ON.
for K1400 set DIP 14 ON
for K2200 set DIP 15 ON.
b) Set **DIP 1 on ON** (the DL1 LED flashes quickly)
c) Set the "TORQUE" force adjustment trimmer on minimum
d) Press and hold the PROG button (the green DL6 LED turns on and the gate opens)
e) Gradually increase "TORQUE" force only if necessary (WARNING: too much force can be dangerous for the users)
f) After 10 seconds the motor slows to a speed that is adjusted with the "LOW SPEED" trimmer.
g) At the end of opening, the limit switch is pressed by the cam and stops the motor (the DL3 and DL6 LEDs turn off).
h) Release the PROG button.
i) Press and hold the PROG button again (the red DL7 LED turns on and the gate starts closing)
j) After 10 seconds the motor slows down. The limit switch stops the motor when the gate is completely closed (DL4 and DL7 turn off)
k) Release the PROG button and press PROG again to open the gate slightly and free the end-of-closing limit switch.
l) Put **DIP 1 back on OFF** and go to step 5.



5 - Programming the working and waiting times before having automatic closing.
IMPORTANT: Jumper between COM-PHOT, COM-EDGE and COM-STOP if the safety devices are not installed. LEDs DL2, DL3, DL4, DL5 and DL8 must be on.
If a LED is off it indicates a safety device failure or no connection and gate movement is blocked.
a) Set **DIP 2 on ON** (the DL1 LED flashes slowly)
b) Press the PROG button briefly (the gate closes, it stops when it comes up against the stop, it waits 2 seconds and then opens automatically, stopping against the end-of-opening limit switch). Once the gate has completed the opening manoeuvre the control panel starts counting the waiting time before the gate starts closing automatically.
Note: Even if the automatic closing function is not active (DIP 3 OFF), it must still be memorized.
c) Wait for the length of time wanted and then press the PROG to store the waiting time and start the gate closing.
d) The gate is closed. DL1 stops flashing. The times are stored. Put **DIP 2 back on OFF**.

6 - PHASE Programming the remote control
1 - Put **DIP 1 on ON** and then **DIP 2 of SW1 on ON** => the DL1 LED flashes for 10 seconds.
2 - Press the key on the remote (normally channel A) within 10 seconds. If the code is stored correctly the green DL10 LED flashes once.
3 - Code programming time is renewed automatically so the next remote control can be stored.
4 - To end programming wait 10 seconds or press the PROG button briefly => the DL1 LED stops flashing.
5 - **Put DIP 1 and DIP 2 back on OFF**.

7° Customising the configuration
The configuration can be modified by moving the various microswitches

	Microswitches ON	Microswitches OFF
DIP3	Automatic closing activated	Automatic closing not activated
DIP4	Step-by-step RADIO control	RADIO control has no effect in opening
DIP5	Step-by-step K BUTT control	K BUTT control has no effect in opening
DIP6	Photocells active only in closing	Photocells active all the time
DIP7	Encoder activated	Encoder not activated
DIP8	Pre-flashing for 3 seconds	Motor and flashing light start together
DIP9	Slowing down not activated	Slowing down activated
DIP10	Electronic brake activated	Electronic brake not activated
DIP11	Gradual start activated	Gradual start not activated
DIP12	Edge monitoring TEST activated	Edge monitoring TEST not activated
DIP13		K800-1400-2200
DIP17	Reclosing upon passage of the activated photocells	Reclosing upon passage of the non activated photocells

IMPORTANT: The system must comply with all the standards and Directives currently in force.