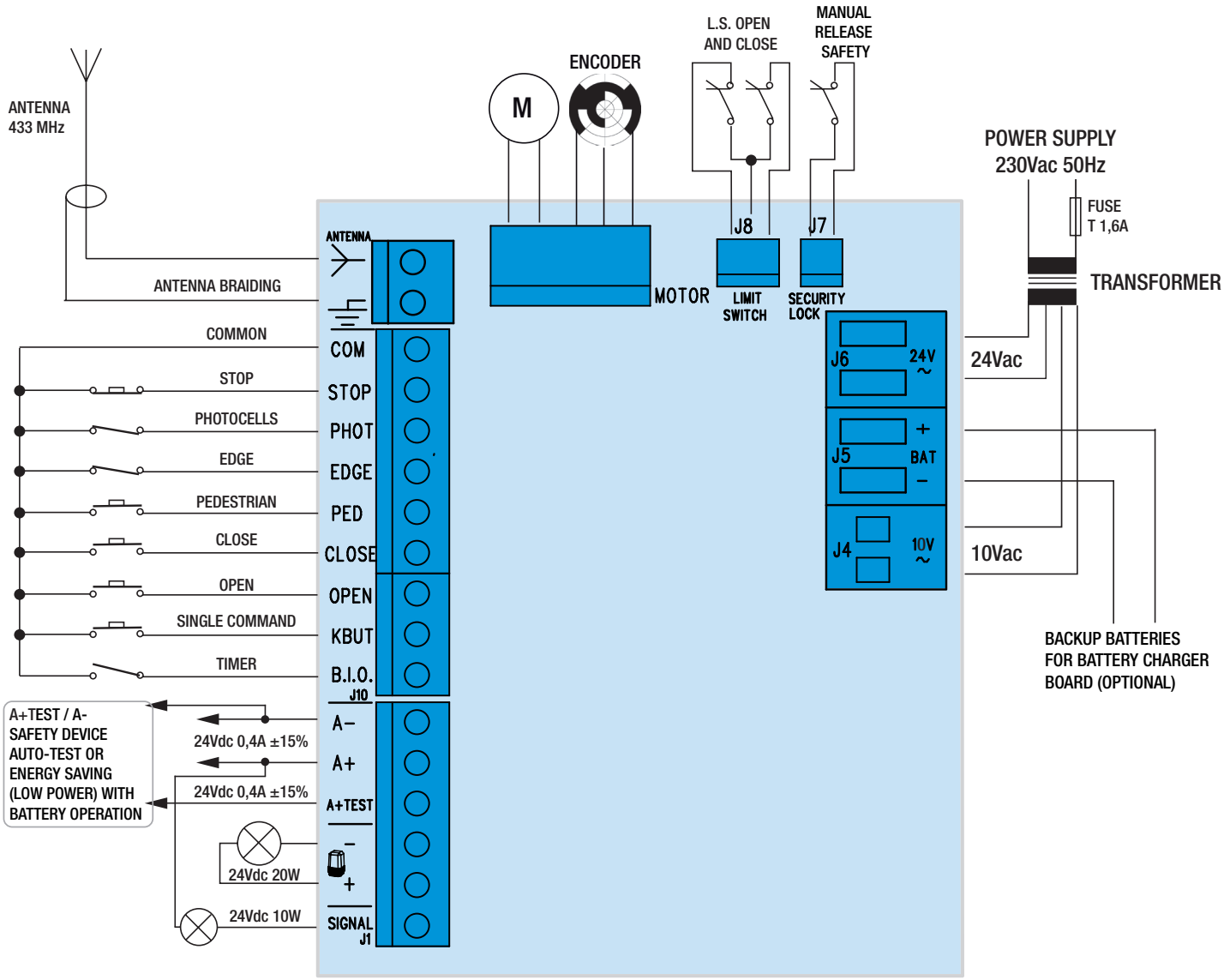
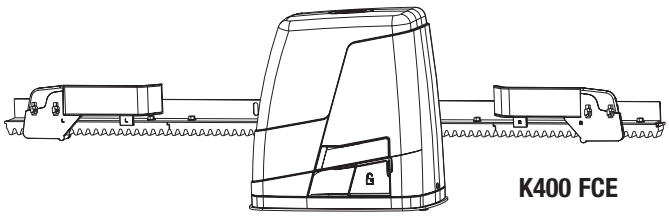
SIMPLIFIED INSTRUCTIONS FOR K400 WITH K 24V-CRX

1° Connecting the accessories

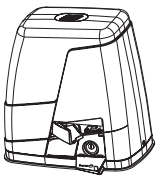


2° Installing and adjusting the limit switch cams

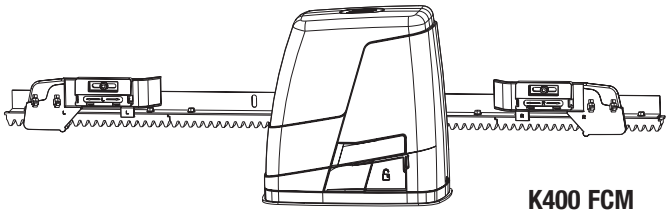
Position the cams at the ends of the rack rail.
Tighten the two screws to secure them in place.



K400 FCE



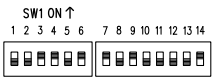
Open the shutter door of the K400.
Insert the key and turn in a clockwise direction.
Pull the lever to unlock the operating system.
Check the cam intervention point by opening and closing the gate.
N.B.: The cams should press the electric micro-switches before the moving part touches the mechanical stops (K400 FCE). The DL7 and DL8 LEDs switch off when the cams are detected by the proximity sensor (K400 FCM).
Position the gate halfway and re-secure the operating system.



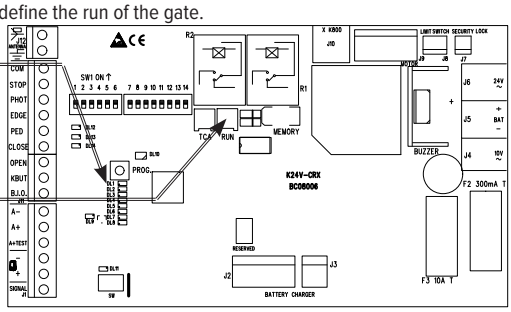
K400 FCM

3. ADJUSTING RUN AND MAXIMUM SPEED

a) Set micro-switches **DIP 1-2-3-5-8-10-11-12-13 to OFF** and **DIP 4-6-7-9-14 to ON.**



1 - Unlock the operating system using the manual security release and position the limit switch cams on the rack rail in order to define the run of the gate.
2 - Move the gate halfway along and lock the operator.
3 - **Set DIP 1 to ON** => the DL1 LED will begin to flash.
4 - Press and hold down the PROG button (controlled through a dead man's switch, open-stop-close-stop-open-etc...) => The gate starts at high speed, before slowing down until it reaches the limit switch. Make sure that the gate stops in the desired position. If it does not, move the limit switch cams and try again. Also check the limit switch on the other side.
5 - You can adjust the high speed during the first 5 seconds of operation, by operating the trimmer RUN. If you turn the trimmer RUN in a clockwise direction, the speed increases. The default setting of the trimmer RUN is halfway.
6 - On completion, **put DIP 1 back to the OFF position**. The DL1 LED will switch off, signalling the exit from the control.
N.B.: During this check, the stop button, the ribs and the photocells are not active.



4. – PROGRAMMING TOTAL OPENING.

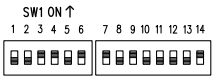
1 - IMPORTANT: POSITION THE GATE AT APPROXIMATELY 20 CM FROM THE CLOSING LIMIT SWITCH TO PROGRAMME PROPERLY.
2 - Put the **DIP 2 in the ON position** => the DL1 LED begins to flash.
3 - Press the PROG button. The gate will begin a series of movements. DO NOT WALK IN FRONT OF THE PHOTOCELLS WHEN THE GATE IS MOVING. Set up is complete when the gate remains closed and the DL1 LED is off.
4 - Turn the **DIP 2 back to the OFF position**.
N.B.: If you move the trimmer RUN on completion of programming, then you will have to repeat it.

5° - PROGRAMMING THE PEDESTRIAN GATEWAY OPENING

With the gate closed:
1 - **First set the DIP 2 to the ON position and then the DIP 1 to the ON position**. The DL1 LED begins to flash.
2 - Press the pedestrian button (COM-PED) => The gate opens.
3 - Press the pedestrian button to stop the gate (the opening run of the pedestrian gateway is now set). The gate closes again after 2 seconds.
4 - At the end of pedestrian gateway set up, **re-position DIP 1 and DIP 2 to OFF.**

6 PROGRAMMING THE REMOTE CONTROL FOR TOTAL OPENING

Attention: before performing the storing procedures, select the DIP 14 according to the transmitters to be used:
With DIP 14 ON (standard) the transmitters enabled are fixed-code SUN/MOON
With DIP 14 OFF the transmitters enabled are variable-code SUN-PRO
Attention: it is not possible to store fixed-code remote controls and variable-code remote controls at the same time.
1 - **First position the DIP 1 to ON and then the DIP 2 to ON**. The two-colour set up LED DL10 will flash red for 10 seconds.
2 - Before these 10 seconds are up, press the remote control button (usually channel A). If the remote control has been correctly stored, then the two-colour LED DL10 will light up green and a buzzer tone confirms proper storage. The 10 seconds for the setting the codes automatically start again with two-colour LED DL10 which flashes red in order to store the next remote control.
3 - To end programming, wait 10 seconds or briefly press the PROG button. The two-colour set up LED DL10 stops flashing.
4 - **Re-position DIP 1 to OFF and DIP 2 to OFF.**



7 Customising configuration

You can change the configuration by moving the various micro-switches

	Microswitches ON	**Microswitches OFF**
DIP3	gradual start active	gradual start not active
DIP4	photocells active only on closing	Photocells always active
DIP5	heater active	heater not active
DIP6	radio control, k butt and pedestrian gateway button in automatic mode	radio control, k butt and pedestrian gateway button in step-by-step mode
DIP7	current sensor active	xurrent sensor not active
DIP8	instant re-closure after photocell transit active	instant re-closure after photocell transit not active
DIP9	always works, even with radio control mode	always works, only with control buttons mode
DIP10	rib monitoring TEST active	rib monitoring TEST not active
DIP11	pre-flashing active	pre-flashing not active
DIP12	-	-
DIP 13	-	K400
DIP 14	SUN/MOON radio system enabled	SUN-PRO radio system enabled

AUTOMATIC CLOSE TRIMMER (ACT)

With this trimmer you can adjust the time before total or pedestrian automatic closure.
Automatic closure is only possible when the door is opened using the total or pedestrian gateway controls and with DL3 LED on (trimmer turned clockwise to enable operation).
The pause time can be adjusted from a minimum of 2 seconds to up to 2 minutes.

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