



**USER  
MANUAL**

**SWIVEL BASE  
EC400**

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# BEFORE USE

## WARNING



Read this user and maintenance manual carefully before carrying out any operations. Keep these instructions in a safe place where they are easily accessible for future reference.

The EC400 swivel base has been designed for the purposes described in this manual. The company FADIEL ITALIANA s.r.l. shall assume no liability whatsoever for any direct or indirect damage caused by improper use of the device, failure to respect and/or wrongful interpretation of these instructions.

## DESCRIPTION OF THE PRODUCT

The EC400 swivel base is a motorised rotating lifting device on 3 axes designed to make transferring into and out of a vehicle easier for people with disabilities.

The EC400 may be installed indifferently on a front or rear seat, on the right or on the left of a vehicle depending on the user's requirements. The EC400 may be fitted with a customised seat to optimise its performance.



## GENERAL SAFETY RULES

Be careful not to knock against the EC400 swivel base with any parts of the body, clothing or any other objects whilst it is being used.



Pay special attention when children and animals are present.

Pay particular care when the EC400 swivel base swings out and retracts, that the user's head does not hit the vehicle door upright.

## FUNCTION MODE

The EC400 standard version comes with a push-button panel attached to the vehicle by a cable. A wireless push-button panel can be supplied on request.

For safety reasons, the EC400 may only be activated when the engine is switched off. For the safety of the user, we recommend the hand brake is applied every time the Ec400 device is used and, when the vehicle is parked on a slope, to place safety chocks under the wheels.



**WARNING:** to enable the seat to move out of the vehicle, the backrest must be in the upright position.

The push-button panel must be placed in its protective case when not being used, to avoid the EC400 being activated by mistake.

### THE DEVICE CAN FUNCTION IN 2 MODES:

- 1) Automatic mode with door open
- 2) Automatic mode with door closed

#### 1) FUNCTIONING IN AUTOMATIC MODE WITH DOOR OPEN

This function controls the complete cycle of the EC400 swivel base transferring out of and into the vehicle in steps.

When the system is switched on, the control board will emit 3 bips, which indicate it is functioning in automatic mode with door open.



#### **PUSH-BUTTON 1: EC400 seat transferring out cycle**

- 1) Unfasten seat belt
- 2) Press push-button **1** and keep depressed: the EC400 automatically performs all the steps necessary to transfer the user out of the car. Release push-button to interrupt movement.

#### **PUSH-BUTTON 2: EC400 seat transferring in cycle**

- 1) Press push-button **2** and keep depressed: the EC400 automatically performs all the steps necessary to transfer the user into the car. Release push-button to interrupt movement.



**IMPORTANT:** mind the head when entering the vehicle.

# USE

## 2) FUNCTIONING IN AUTOMATIC MODE WITH DOOR CLOSED

This function controls sliding of the EC400 swivel base into the vehicle only when the control panel is switched on.

When the system is switched on, the control board will emit 1 bip, which indicates it is functioning in automatic mode with door closed.



### **PUSH-BUTTON 1: sliding forwards command**

Press push-button **1** and keep depressed the EC400 forwards.

### **PUSH-BUTTON 2: sliding back command**

Press push-button **2** and keep depressed to slide the EC400 backwards.

### **PUSH-BUTTON 3: memorise command**

Press push-button **3** and keep depressed for 20 seconds (until an acoustic signal of 1 bip sounds) to memorise the sliding point.

Every time mode is changed from open door to closed door, the EC400 will automatically position itself in the memorised point.

### **PUSH-BUTTON 4: no function**

## MOVING FROM AUTOMATIC TO MANUAL MODE

Press keys 2 and 1 on the push-button panel in sequence for about 15 seconds. Release the keys when 1 bip acoustic signal sounds.

If the control board emits 2 bips when the keys are released, then the device is in manual mode.



**WARNING: use this manual command procedure if the EC400 does not function properly in automatic mode.  
If necessary, contact the installer.**

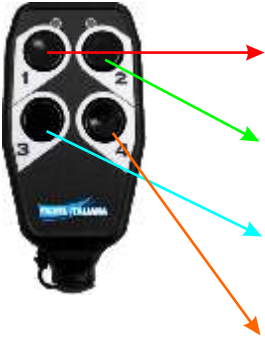
## MOVING FROM MANUAL TO AUTOMATIC MODE

Press keys 2 and 1 on the push-button panel in sequence for about 15 seconds. Release the keys when the 1 bip acoustic signal sounds.

If the control board emits 3 bips when they are released, then the device is in automatic mode.

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## OPERATING IN MANUL MODE



### **PUSH-BUTTON 1: rotation command**

Press push-button **1** and keep depressed to rotate the EC400 outwards.

### **PUSH-BUTTON 2: rotation command**

Press push-button **2** and keep depressed to rotate the EC400 inwards.

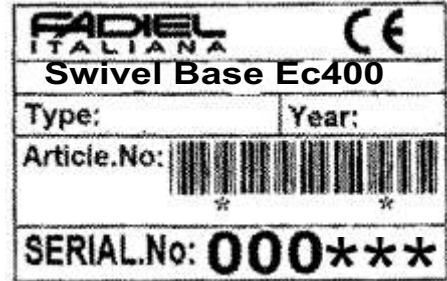
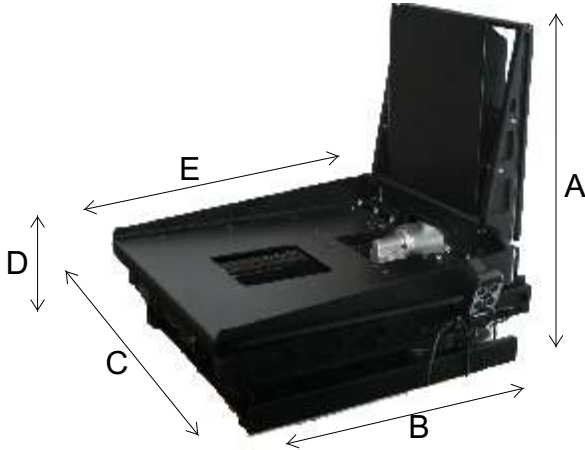
### **PUSH-BUTTON 3: slide forwards command**

Press push-button **3** and keep depressed to slide the EC400 base forwards.

### **PUSH-BUTTON 4: slide backwards command**

Press push-button **4** and keep depressed to slide the EC400 base backwards.

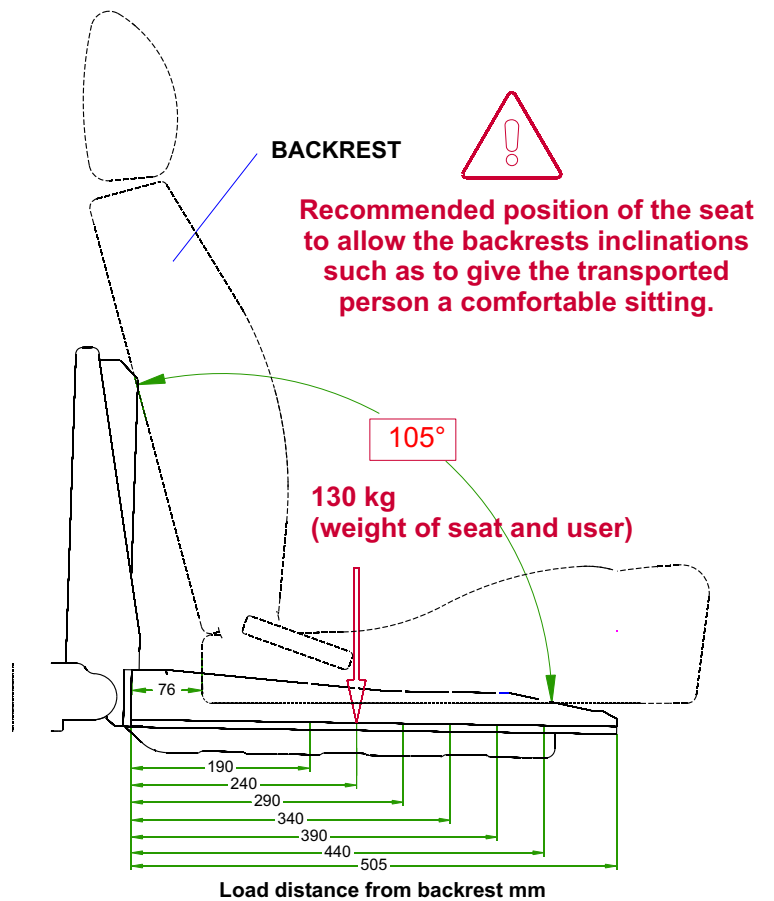
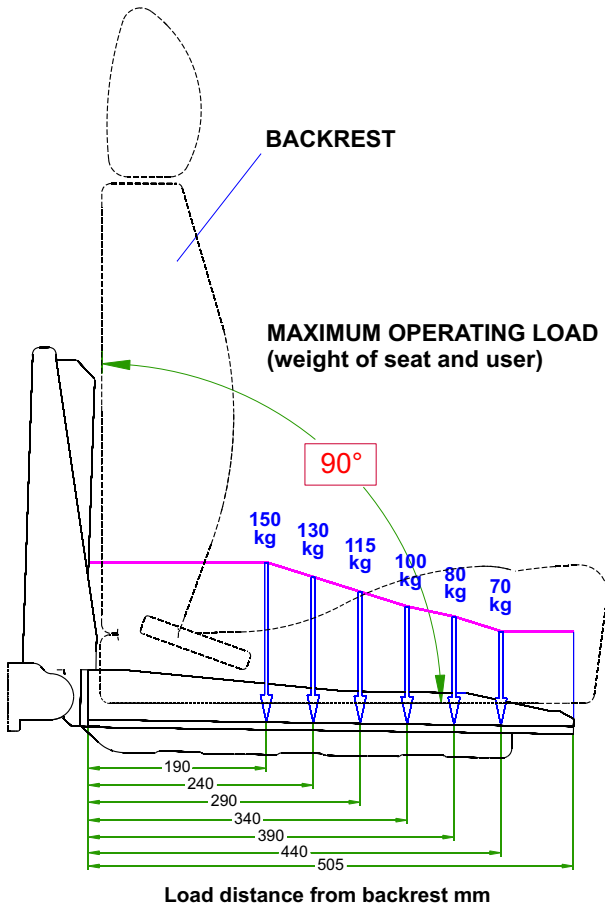
TECHNICAL FEATURES



**WARNING**



TABLE OF EC400 DYNAMIC MAXIMUM LOAD



# USE

## TECHNICAL SPECIFICATIONS

Total height (A)	595mm
Total depth (B)	645mm
Total width (C)	505mm
Height of the seat (D)	188mm
Depth of the seat (E)	510mm
Maximum seat extension from the rotation point	830mm
Minimum seat dimensions from the rotation point	410mm
Vertical mouvement	400mm
Lenghtwise travel on rails sliding motion	260mm
Maximum seat rotation	102°
Fuse voltage	30A
Consumption at maximum load	8A
Consumption when not in use	0.8A
Total handling time	1' 15sec
Weight	47.8 kg



# USE

## ALARMS

### ALARMS IN CLOSED DOOR MODE

PROBLEM	CAUSE	SOLUTION
The seat jams while sliding forwards or backwards and the acoustic alarm sounds (continuous bips)	An obstacle is obstructing movement	Release push-button 1 or 2 and check that the area is free of obstruction. Press the push-button again to continue the desired movement

## TROUBLESHOOTING

MALFUNCTION	POSSIBLE CAUSE	SOLUTION
The device function only during the retraction stage (push-button 2)	There was a power failure while the device was operating	Once the retraction phase has been completed, the device will resume normal function
While functioning in automatic mode, the device does not perform the handling steps correctly	One of the two position sensors is not working properly	Contact the installer
	The device has moved from automatic to manual mode	Move from manual to automatic mode
The EC400 stops during operation and the acoustic alarm sounds (continuous bips)	An obstacle is obstructing movement	Release push-button 1 or 2 and check that the area is free of obstruction. Press the push-button again to continue the desired movement
The device cannot be retracted	During the automatic mode phase, the EC400 positioned itself at the wrong point	Move over to manual mode to align the seat in the correct position
Automatic mode cannot be accessed	The base is not positioned as far back as possible	Keep push-button 4 depressed until the movement stops then move over to automatic mode
	The seat is not rotated in the correct position for driving (fully rotated inwards)	Keep push-button 2 depressed until rotation stops then keep it depressed for another 3 seconds. Move to automatic mode.



**IMPORTANT:** if there is excessive weight on the EC400, movement will be automatically interrupted and an acoustic signal will sound (continuous bips). To restore movement, the device must be switched off and switched on again.

## CLEANING AND MAINTENANCE

Use a vacuum cleaner to remove dust or grit which could accumulate on the device. Take care to not anything unusual, such as screws that have become loose or any strange noises made during operation. Once a year check the push-button panel cables and connections. Clean the push-button panel with a soft cloth dampened with water. Do not use chemicals or abrasive substances.