



J4C INTERFACE KIT



OUTER BOX IMAGES



INNER BOX IMAGES

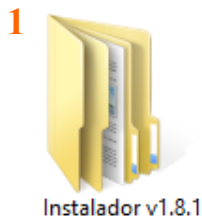


PIECES:

- 1 J4C USB INTERFACE CABLE
- 2 SPARE CABLE



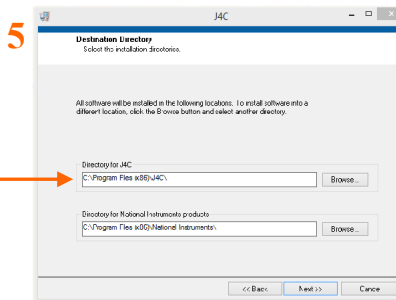
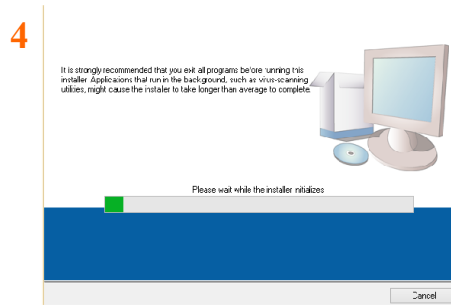
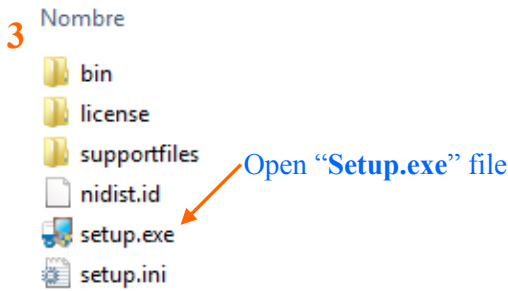
SOFTWARE INSTALLATION



Open "Instalador" file

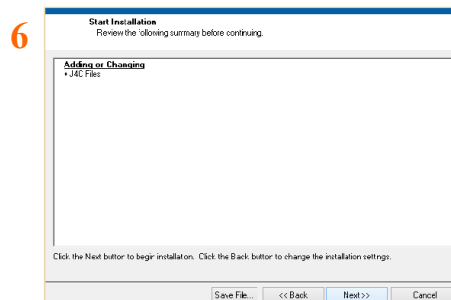


Open "Volume" file



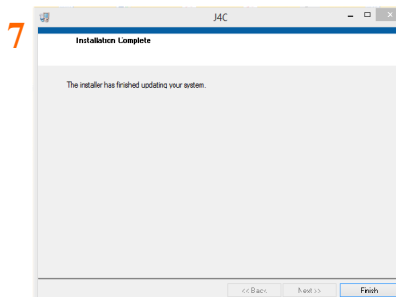
Press button

Next



Press button

Next

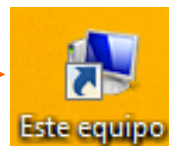
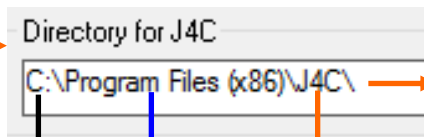


Press button

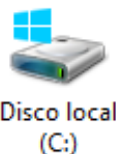
Finish

The program has been set-up.

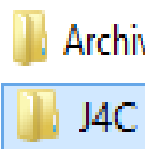
SEARCH ICON TO ENTER IN THE PROGRAM



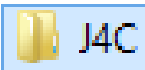
Open "Este Equipo" or "Mi PC"



Open "Disco local (C:)"



Open "Archivos de programa" (x86) file



Open "J4C" file

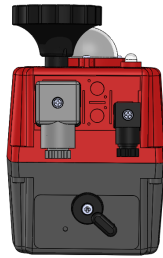


"J4C.exe", icon to open the interface program.

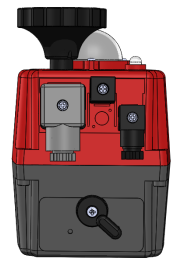
Actuators with inner Interface connection on PCB

Actuators with outer Interface connection on cover

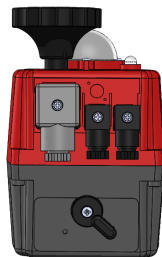
ON-OFF J4C 20 - 85



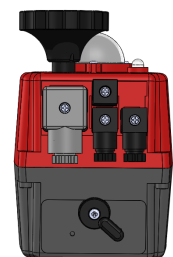
ON-OFF J4C 20 - 85



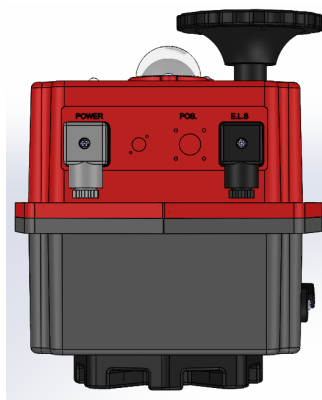
J4C 20 - 85 Positioner



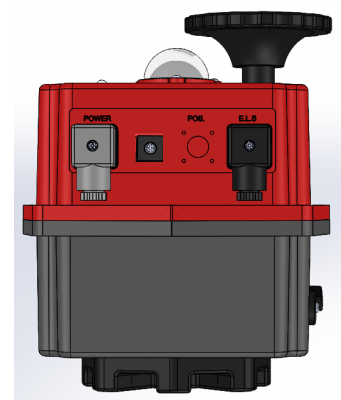
J4C 20 - 85 Positioner



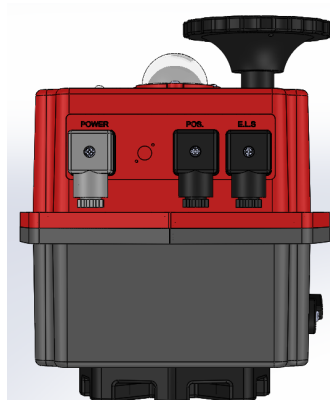
ON-OFF J4C 140 & 300



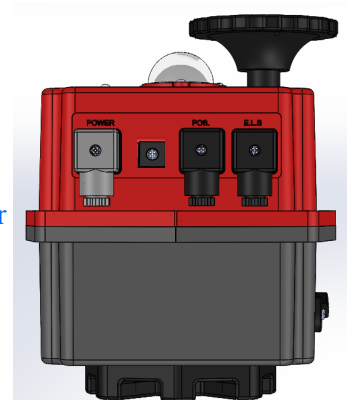
ON-OFF J4C 140 & 300



J4C 140 & 300 Positioner



J4C 140 & 300 Positioner



In case of having an actuator with inner connection on PCB, go to page 4.

In case of having an actuator with outer connection on the cover, go to page 5.

J4C 20/85 - Take the cover off



1. Remove the screw, which is fixing the hand wheel. (Fig.1)
2. Remove the 6 screws, which are fixing the body to the cover of the actuator (Fig.2).
3. Carefully lift the cover (Fig.3).
4. Connect the Interface cable, by following the next page steps.

J4C 20/85 - Put the cover on



5. Carefully mount the cover, minding the cables not to be pressed (Fig.4).
6. Fix the cover to the body by using the 6 screws (Fig.5).
7. Mount the hand wheel on the shaft and fix it by using the screw (Fig.6).

J4C 140/300 - Take the cover off



1. Remove the screw, which is fixing the hand wheel. (Fig.1)
2. Remove the 8 screws, which are fixing the body to the cover of the actuator (Fig.2).
3. Carefully lift the cover (Fig.3).
4. Connect the Interface cable, by following the next page steps.

J4C 140/300 - Put the cover on



5. Carefully mount the cover, minding the cables not to be pressed (Fig.4).
6. Fix the cover to the body by using the 8 screws (Fig.5).
7. Mount the hand wheel on the shaft and fix it by using the screw (Fig.6).

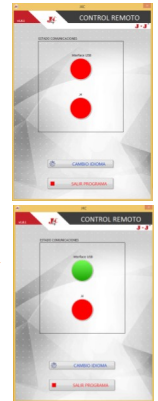
INTERFACE PROGRAM

1

Open program by using icon "J4C.exe"



J4C.exe



2

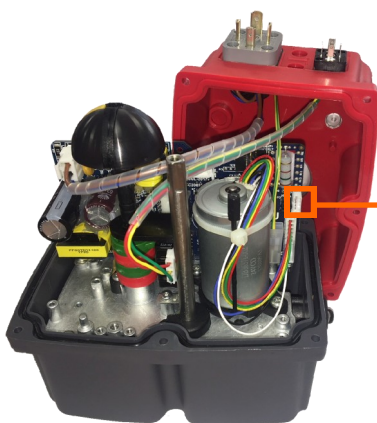
Connect the J4C USB interface cable to the PC



3

Connect the J4C USB interface cable to the actuator. (See Fig. 3.1 or 3.2)

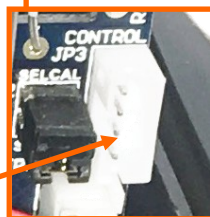
3.1 Actuators w/Interface Inner connection on PCB



J4C 20/85



J4C 140/300

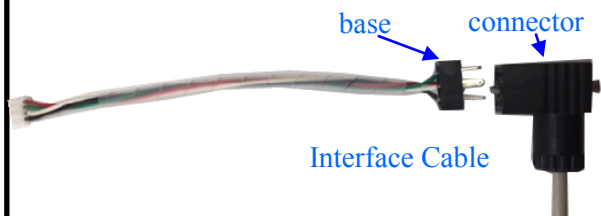
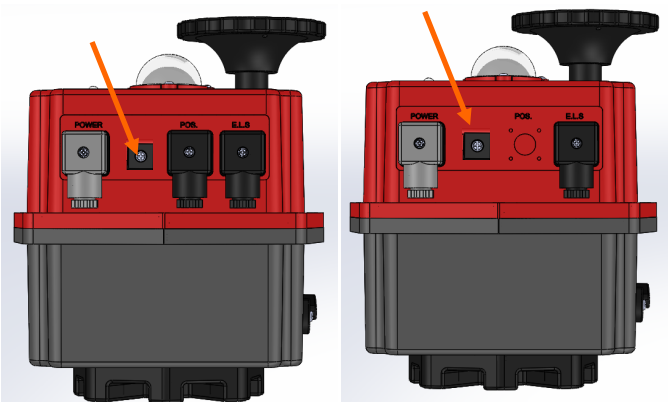
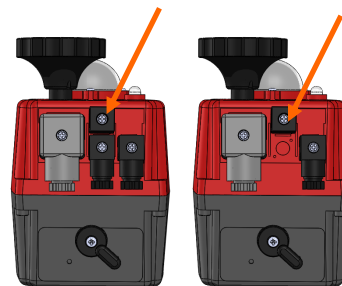


PCB Connector



Interface cable

3.2 Actuators w/Interface Outer connection on cover.

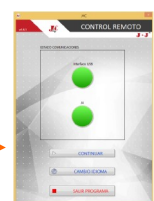


Interface Cable

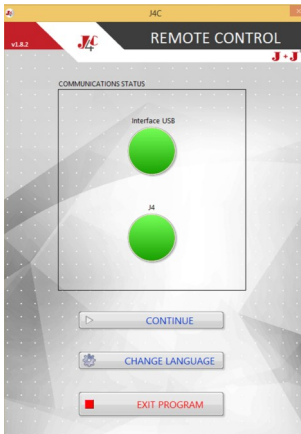
Separate the base from the connector .

Remove the cover, pointed with an orange arrow, and connect the connector of the Interface cable.

And connect the actuator to the power supply.



INTERFACE PROGRAM



4 If desired language, please select **CONTINUE**

If change the language, please select **CHANGE LANGUAGE**



Select option:

CATALÀ

ENGLISH

ESPAÑOL

Select **CONTINUE**



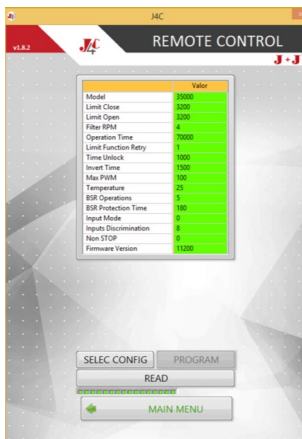
5 Select option **PARAMETERS**

6 Select option **COUNTERS**

7 Select option **DPS**

8 Select option **REMOTE CONTROL**

9 Select option **POWER SUPPLY CONFIGURATIONS**



5.1 Select option **READ**

	Valor
Model	35000
Limit Close	3200
Limit Open	3200
Filter RPM	4
Operation Time	70000
Limit Function Retry	1
Time Unlock	1000
Invert Time	1500
Max PWM	100
Temperature	25
BSR Operations	5
BSR Protection Time	180
Input Mode	0
Inputs Discrimination	8
Non STOP	0
Firmware Version	11200

Model field:

20000 = B20 or S20 model

35000 = B35 or S35 model

55000 = B55 or S55 model

85000 = B85 or S85 model

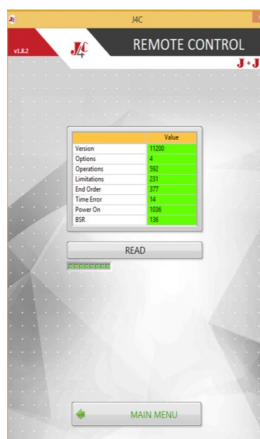
140000 = B140 or S140 model

300000 = B300 or S300 model

The rest of fields are related to the actuator functions.

The **SELEC CONFIG** option, it is only for the factory use.

To go back to the menu, select **MAIN MENU**



6.2 Select option **READ**

Version	11200
Options	0
Operations	50
Limitations	021
End Order	027
Time Error	04
Power On	1056
BSR	106

Version = Control software version.

Options = For factory use only.

Operations = Number of Operations.

Limitations = Quantity Limiter function activation.

End Order = For factory use only.

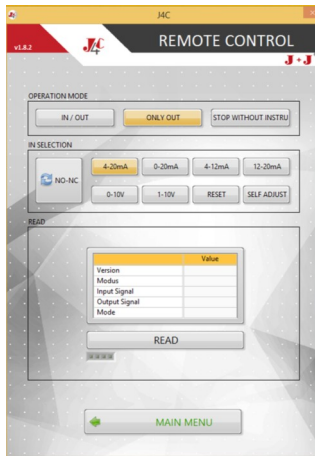
Time Error = Number of times the motor stops, due to the actuator in (MAN) position.

Power On = Number of times the actuator has been disconnected from the power supply.

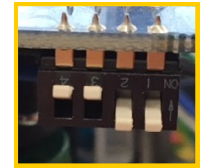
BSR = Working with BSR.

To go back to the menu, select **MAIN MENU**

INTERFACE PROGRAM

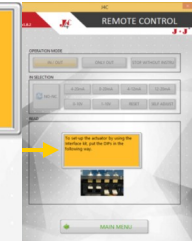


7.1 In order to set an actuator with positioner up, place the DIPS (on the DPS PCB), as per the image. Then go to



In case of not having the correct configuration, the program will inform how to place the DIPS. Place the DIPS as per the image.

To set-up the actuator by using the Interface kit, put the DIPS in the following way.



- Select MAIN MENU
- Select DPS

- Select configuration: OPERATION MODE
- Instrum signal in/out IN/OUT
 - ON-OFF Actuator only OUT ONLY OUT
 - (*) The actuator stops when a lack of instrum signal. STOP WITHOUT INSTRU

(*) Only for 4/20mA, 4/12mA, 12/20mA y 1/10V configurations.

Select a configuration: IN SELECTION

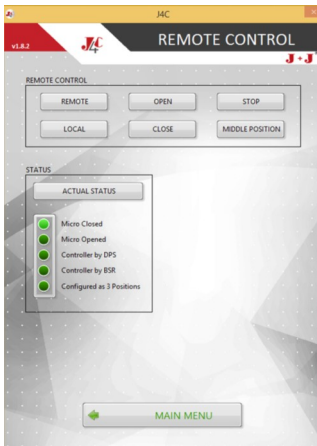
- 4/20mA 0/20mA 4/12mA 12/20mA
- 0/10V 1/10V

Select NO or NC option by using button NO-NC

Select SELF ADJUST, the actuator will make a complete maneuver, recording máx. & min. positions.

Once the set-up is made, disconnect the voltage from the actuator, wait until the LED light extinguishes and connect voltage to the actuator. The actuator is ready to work.

INTERFACE PROGRAM



8.1 To control the actuator from the PC, select option:

REMOTE

To control an ON-OFF actuator select:

OPEN
CLOSE
STOP

For three position actuators (0°-90°-180°, 0°-45°-90°, etc.) we have additional position:

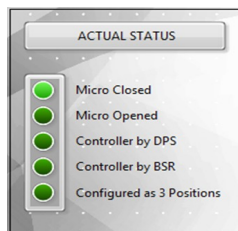
MIDDLE POSITION

To stop controlling the actuator from the PC, select option:

LOCAL

To see the actuator status, select option:

ACTUAL STATUS



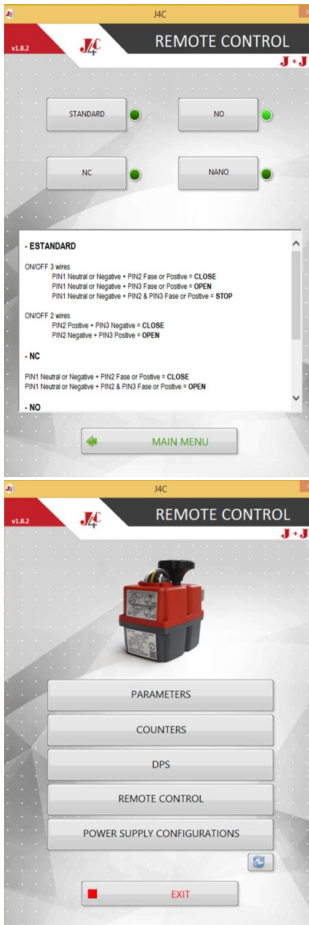
When green light is on, it indicates:

- Micro Closed = Closed Actuator
- Micro Opened = Opened Actuator
- Controlled by the DPS = Actuator with positioner
- Controlled by the BSR = Actuator with BSR
- 3 Position config. = 3 position actuator.

To go back to the menu, select:

MAIN MENU

INTERFACE PROGRAM



9.1 Select the electrical connection to work with:

- STANDARD
- NC
- NO
- NANO

The screen shows a short description of how the actuator works, with each of the 4 configurations.

Once the configuration has been selected, disconnect the voltage from the actuator, wait until the LED light extinguishes and connect voltage back to the actuator. The actuator is ready to work.

To go back to the main menu, select:

MAIN MENU

10 To quit from the program, select: EXIT

Disconnect the voltage and the interface cable from the actuator.