ASSEMBLY INSTRUCTIONS **J4C 20/85**

PIECES

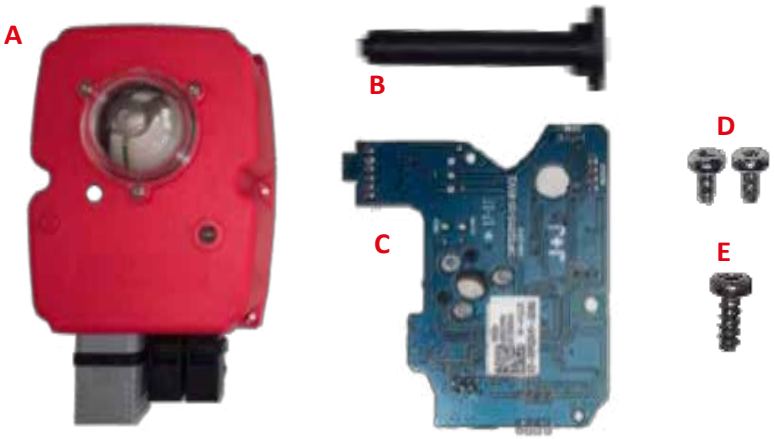
A - 1 Cover

B - 1 Plastic column

C - 1 DPS positioner PCB

D - 2 Sheet metal Fixing screws

E - 1 Plastic Fixing screws



PREPARING THE COVER:

The cover of the kit is for a J4C-20, 35 and 55 models. In case you want to mount a kit on a J4C85, follow the instructions:

Remove the **cap** and leave the **o-ring** inside the hole

cap

O-ring

Remove the **sleeve 1** and leave the **Oring** inside.

sleeve

O-ring

Introduce the sleeve in hole A and press it until is fully inside(**Fig.A**)

sleeve

Introd uce the cap in hole B and press it until it is fully inside (**Fig.B**)

cap

PLEASE READ CAREFULLY BEFORE MOUNTING.

VERY IMPORTANT!!!! PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. BEFORE CONNECTING “A” PLUG TO THE ACTUATOR,

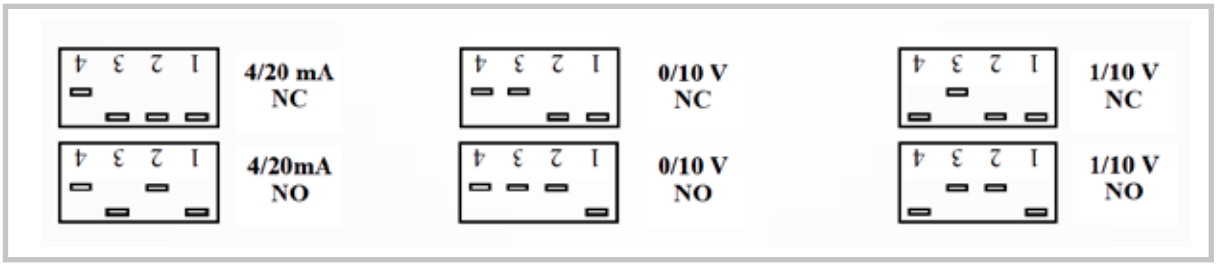
CHECK THAT THE VOLTAGE IS THE SAME AS THE ONE SPECIFIED ON THE LABEL (CARTER).

TO CONVERT A STANDARD (ON-OFF) J4C ELECTRIC ACTUATOR INTO A MODULATING FUNCTION WITH POSITIONER, PROCEED AS FOLLOWS:

ASSEMBLY INSTRUCTIONS **J4C 20/85**

The unit must be disconnected from any electrical power or signal before installing.

1. Remove the screw, which is fixing the hand wheel. **(Fig. 2)**
2. Remove the 6 screws, which are fixing the body to the cover of the actuator **(Fig.3)**.
3. Carefully lift the cover **(Fig.4)**.
4. Remove the cables (from the cover) connected to the actuator PCB **(Fig.5A,5B and 5C)**.
5. Carefully remove the position indicator **(Fig.6)**.
6. Fix the plastic column (B) on the base plate, by using 2 sheet metal fixing screws **(D)(Fig.7A,7B and 7C)**.
7. Take the DPS cover (A) and connect its cables, following **(Fig.8A,8B and 8C)**.
8. Place the mentioned cables as per **(Fig.9A and 9B)**.
9. Mount the DPS positioner PCB (C), matching the cleft of the shaft with the key inside the DPS gear **(Fig.10)**.
10. Press the DPS positioner PCB (C) along the shaft until the PCB connector (JP3) is plugged in the actuator PCB connector (JP2) **(Fig.11).**
11. Fix the DPS positioner PCB (C) to the plastic column (B) with the plastic fixing screw **(E) (Fig.12A)**.
12. Connect the remaining cable (A) to the connector base on the DPS PCB **(C) (Fig. 12B)**.
13. Carefully insert the position indicator, matching its inner key with the cleft of the shaft **(Fig.13)**.
14. In order to set the actuator up, use the DIPs shown in picture **(Fig.14)**. Put DIP 1 in ON position, connect the grey connector to the power supply, put DIP 1 back to the prior position. Wait until the actuator make a complete maneuver **(Fig. 14A and 14B)**.
15. Disconnect the grey connector from the power supply.
16. Use the configuration you need by moving the DIPs, according to the instrumentation signal **(Fig. 15)**



17. Care- fully mount the cover, minding the cables not to be pressed **(Fig.16).**
18. Fix the cover to the body by using the 6 screws **(Fig.17)**.
19. Mount the hand wheel on the shaft and fix it by using the screw **(Fig.18)**.
20. Mount the 3 outer connectors together with its rubber joints and fix them to the cover, by using the screws **(Fig.19).**
21. Fill in the document inside the kit, and send it to the fax number or e-mail, shown in the document The unit is ready to work.

Outer Set-Up: Only if necessary.

- B plug - Connect a cable between PIN 1 and PIN Earth (Fig. 20).
- A plug - Connect it to the power supply.
- B plug, disconnect the cable between PIN 1 and PIN Earth.

The actuator will make a complete maneuver.
Connect B connector to the actuator. The actuator is ready to work.

ASSEMBLY INSTRUCTIONS **J4C 20/85**

ASSEMBLY INSTRUCTIONS **J4C 140/300**

PIECES

A - 1 Cover

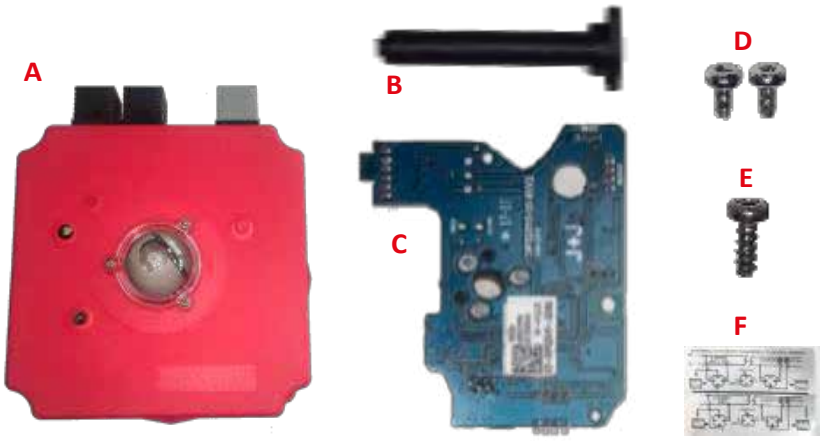
B - 1 Plastic column

C - 1 DPS positioner PCB

D - 2 Sheet metal Fixing screws

E - 1 Plastic Fixing screws

F - 1 Schematic diagram label



PLEASE READ CAREFULLY BEFORE MOUNTING.

VERY IMPORTANT!!!! PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. BEFORE CONNECTING "A" PLUG TO THE ACTUATOR, CHECK THAT THE VOLTAGE IS THE SAME AS THE ONE SPECIFIED ON THE LABEL (CARTER).

TO CONVERT A STANDARD (ON-OFF) J4C ELECTRIC ACTUATOR INTO A MODULATING FUNCTION WITH POSITIONER, PROCEED AS FOLLOWS:

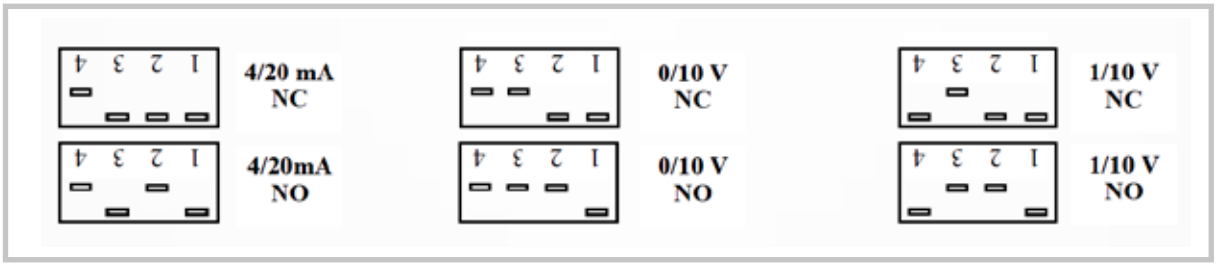
The unit must be disconnected from any electrical power or signal before installing.

1. Remove the screw, which is fixing the hand wheel. **(Fig.2A and 2B)**
2. Remove the 8 screws, which are fixing the body to the cover of the actuator **(Fig.3)**.
3. Carefully lift the cover **(Fig.4)**.
4. Remove the cables (from the cover) connected to the actuator PCB **(Fig.5A, 5B & 5C)**.
5. Carefully remove the position indicator **(Fig.6)**.
6. Fix the plastic column (B) on the base plate, by using 2 sheet metal fixing screws (D) **(Fig.7A,7B & 7C)**.
7. Take the DPS cover (A) and connect its cables, following **(Fig.8A, 8B & 8C)**.
8. Mount the DPS positioner PCB inside the kit (C), matching the cleft of the shaft with the key inside the DPS gear **(Fig.9)**.
9. Press the DPS positioner PCB (C) along the shaft until the PCB connector (JP3) is plugged in the actuator PCB connector (JP2) **(Fig.10)**.
10. Fix the DPS positioner PCB (C) to the plastic column (B) with the plastic fixing screw (E) **(Fig.11A)**.
11. Connect the remaining cable from the kit cover (A) to the connector base on the DPS PCB (C) **(Fig.11B).**
12. Carefully insert the position indicator, matching its inner key with the cleft of the shaft **(Fig.12)**.
13. In order to set the actuator up, use the DIPs shown in picture **(Fig.13)**.

    Put DIP 1 in ON position, connect the grey connector to the power supply, put DIP 1 back to the prior position. Wait until the actuator make a complete maneuver **(Fig.13A and 13B)**.

ASSEMBLY INSTRUCTIONS **J4C 140/300**

14. Disconnect the grey connector from the power supply.
15. Use the configuration you need by moving the DIPs, according to the instrumentation signal **(Fig.14)**:



16. Care- fully mount the cover, minding the cables not to be pressed **(Fig.15)**.
17. Fix the cover to the body by using the 8 screws **(Fig.16).**
18. Mount the hand wheel on the shaft and fix it by using the screw **(Fig.17).**
19. Mount the 3 outer connectors together with its rubber joints and fix them to the cover, by using the screws **(Fig.18)**.
20. Remove the wiring label from the actuator and replace it by the one inside the kit box **(F)**.
21. Fill in the document inside the kit, and send it to the fax number or e-mail, shown in the document.
    The actuator is ready to work.

Outer Set-Up: Only if necessary.

- B plug - Connect a cable between PIN 1 and PIN Earth **(Fig.19)**.
- A plug - Connect it to the power supply.
- B plug, disconnect the cable between PIN 1 and PIN Earth.
  The actuator will make a complete maneuver.
  Connect and fix the B outer connector to the actuator. The actuator is ready to work.

ASSEMBLY INSTRUCTIONS **J4C 140/300**