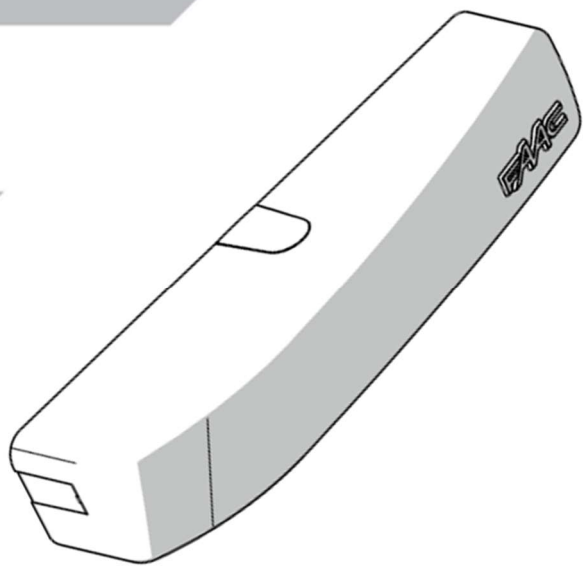


950N2

safe zone green tech EN16005

EU DECLARATION OF CONFORMITY

The Manufacturer

Company name: FAAC S.p.A. Soc. Unipersonale

Address: Via Calari, 10 - 40069 Zola Predosa BOLOGNA - ITALY

hereby declares under its own exclusive liability that the following product:

Description: Gearmotor for pedestrian swing doors

Model: 950N2

complies with the following applicable EU legislations:

2014/30/EU
2011/65/EU

Furthermore, the following harmonised standards have been applied:

EN61000-6-2:2005
EN61000-6-3:2007 + A1:2011

Bologna, Italy, 01-11-2017 CEO
A. Marcellan

DECLARATION OF INCORPORATION FOR PARTLY COMPLETED MACHINERY
(2006/42/EC ANNEX II P.1, B)

Manufacturer and person authorised to prepare the relevant technical documentation

Company name: FAAC S.p.A. Soc. Unipersonale

Address: Via Calari, 10 - 40069 Zola Predosa BOLOGNA - ITALY

hereby declares that for the partly completed machinery:

Description: Gearmotor for pedestrian swing doors

Model: 950N2

The essential requirements of the Machinery Directive 2006/42/EC (including all applicable amendments) that have been applied and fulfilled are as follows:

1.1.2, 1.1.3, 1.1.5, 1.1.6, 1.2.1, 1.2.3, 1.2.6, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.4.1, 1.4.2.1, 1.5.1, 1.5.2, 1.6.3, 1.6.4, 1.6.5, 1.7.1, 1.7.1.2, 1.7.4

and that the relevant technical documentation has been compiled in compliance with part B of Annex VII.
Furthermore, the following harmonised standards have been applied:

EN16005:20012
EN ISO 12100:2010
EN13849-1:2015
EN13849-2:2012

And also undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the partly completed machinery by mail or e-mail.
Finally, the manufacturer declares that the above-mentioned partly completed machinery must not be put into service until the final machine in which it is to be incorporated has been declared compliant with the requirements of the above-mentioned Machinery Directive 2006/42/EC.

Bologna, Italy, 01-11-2017 CEO
A. Marcellan

These instructions are to be considered as a rapid guide for installation of the FAAC 950N2 for both a single door installation or double door installation with On Door Safety Sensors and a check for opening/closing speeds along with the Hold Open time. We have included references where to find relevant wiring information for the fitting of Safety Sensors to protect the swept area of door/doors as specified by specified by the Risk Assessment undertaken by the installer. The installer should still familiarise themselves with the full manual and the safety information contained within. (available at https://www.faac.co.uk/door/swinging-doors/950-swing-door-operator)

STEP 1

Please ensure that the door is free swinging, not binding and any closers (such as surface mount, in-head pivot closers, hinge closers) are removed prior to commencement of installation.

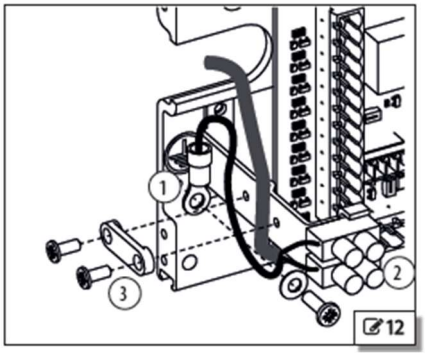
STEP 2

Depending on the type of arm being used, there will be inside the box a 1:1 Scale Mounting Template (See below). Please use this template for the position of the mounting holes, both for the operator and the arm. If for any reason, this is not available please refer to the 950N2 manual and pages 13 through to 16 for the mounting holes positions.

Please also use appropriate fixings for the material that you are fixing the operator to. In General, 60mm of Softwood, 40mm of Hardwood, 10mm of Aluminium or 6mm of Steel.

STEP 3

Once the operator and arm are mounted to the door and header, connect the main power to the 950N2 ensure that the earth is securely connected. (See below)

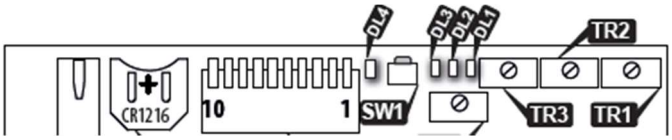


STEP 4

Depending on the arm used, adjust DIPSWITCH "2" accordingly as per below.

	OFF	ON
DIP 2 Type of transmission arm installed	Articulated arm	Shoe arm

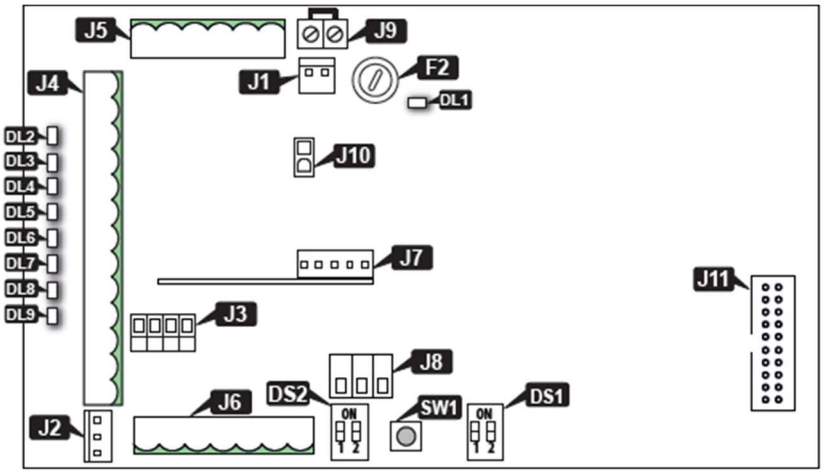
Once adjusted, DL4 on the Logic Board will illuminate "YELLOW" (See below). This is to identify that a change is made on the DIPSWITCH or TRIMMER banks. The changes will only take effect when SW1 (See below) is pressed for 1.5secs on the Logic Board.



Please note that if the KP EVO is used for Programming, DL4 will illuminate "YELLOW" but **DO NOT** press SW1 as this will revert back to DIPSWITCH or TRIMMER setting.

STEP 5

Now perform a Setup on the 950N2 by holding SW1 on the I/O Board (See below). Hold the button until DL2 above starts flashing repeatedly. Please note that a SETUP can only be complete if the unit is in Automatic Mode (toggle switch on the side in the "0" position or main screen on KP Evo displaying "Auto Bi Dir" before proceeding into the menu structure) and DL4, DL5 and DL6 are illuminated "GREEN" (See below) as the 950N2 comes with pre-wired links across terminals 12, 13 and 14 back to COM (such as terminal 7, 8, 18 or 19), as these are the default N/C inputs.



Setup will only need to be carried out once if NOT opening against a wall or a barrier and XPB ON's are used (please see Step 7 for further details). For full DIPSWITCH and TRIMMER details, please refer to page 27 in the manual.

STEP 6

Adjust Opening Speed, Closing Speed and Pause Time trimmers as required (TR1, TR2 and TR3 respectively if using the on-board programming, refer to pages 37 and 38 on the manual if using the KP Evo). Please note that typical minimum opening time is 3.5 Secs for fully closed to fully open. If using the trimmers, please press SW1 on Logic board as in Step 4.

At this point the door should be operational and a short across Terminals 10, 11, 15 or 17 and COM should trigger the automation of the door (This should also illuminate DL2, DL3, DL7 or DL9 respectively).

STEP 7

Nearly all installations will require the use of On Door Safety Sensors, be it the more basic XPB ON's (XPB 34, XPB 90-1 or XPB 90-2) or the more advanced XPB SCAN's (also known as FLATSCAN's). Please use the wiring instructions as per page 29 of the manual.

If you are using XPB Scan's, please follow the instruction manual provided with them to run their own configuration setup to determine the width of the door and any objects that may or may not be in the detection range of the laser curtain such as walls or barriers.

If using the XPB ON's and opening against a wall or barrier, you will need to enable DIPSWITCH "7" (see below) or if using the KP Evo – Spanner, Programming, Installation, Partial Stop Sec, Enable.

		OFF	ON
DIP 7	Partial safety: STOP: Defines the detection area of the safety in opening	Obstacle detection active over the entire opening stroke	Obstacle detection NOT active in proximity to the opening stop

If using DIPSWITCH, please ensure to press SW1 on Logic as in Step 4.

Following either option using the XPB ON's, you will need to re-run Setup so that the 950N2 can identify where Opening Stop Safety will be triggered to allow it to switch to Low Energy Creep Mode.

Double Door Configuration – Master/Slave

If you are installing the operators on a double door, for the best result you will need to enable the Master/Slave functionality of the 950N2. In order to do this, you will require the use of a KP Evo as it is NOT POSSIBLE to achieve this otherwise under normal conditions.

STEP 1

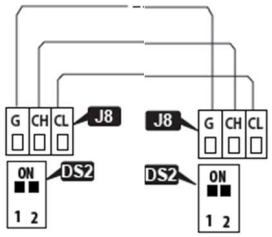
Run through Steps 1 though to Step 7 as above, ensuring that the Motion Parameters (See below) are identical between the two 950N2 operators.

2 MOTION
1 OPENING...2 CLOSING

1 SPEED	1...10	
2 SLOWDOWN	SLOWDOWN SPACE 0°...90°	SLOWDOWN SPEED 1...3
3 STRENGTH	0...10	
4 STRENGTH DURATION	0.1...3.0 s	
5 ACCELERATION	1...10	
6 DECELERATION	1...10	

STEP 2

Link the two 950N2's together using a 3-Core Cable (ideally Shielded, CAT5e as used for the KP Evo is suitable). Please ensure to check that DIPSWITCH "1" and "2" are in the "ON" position in the DS2 bank found in the I/O Board (See Step 5 above for location details).



Please note that Factory default is in the "OFF" position.

STEP 3

Plug the KP Evo into the operator that you designate to be the SLAVE (i.e. not receiving the opening commands). Using the KP Evo, go to Spanner, Programming and then into Intercom (see below) and performing the following configuration changes.

6 INTERCOM
1 FUNCTION

DISABLED	
INTERMODE	
INTERLOCK	WITH MEMORY / WITHOUT MEMORY
2 LEAVES	
2 LEAVES + INTERBLOCK	WITH MEMORY / WITHOUT MEMORY

2 MASTER/SLAVE NR.
3 INTERCOM REG.
4 NODE LIST

Set Function to "2 Leaves".

Set Master/Slave Nr to "2 Slave".

Unplug KP Evo from SLAVE and plug into MASTER.

STEP 4

Using the KP Evo, go to Spanner, Programming and then into Intercom (as above) and performing the following configuration changes.

Set Function to "2 Leaves".

Set Master/Slave Nr to "1 Master".

In INTERCOM REG. select "YES" to perform INTERCOM REGISTRATION.

If wired correctly and DS2 set correctly as above, you should now be able to go into NODE LIST and see "02" in the display.

STEP 5

Adjust LEAF DELAY as required (See below). KP Evp – Spanner, Programming, Installation.

5 LEAF DELAY 0°...90°