A952

EN16005

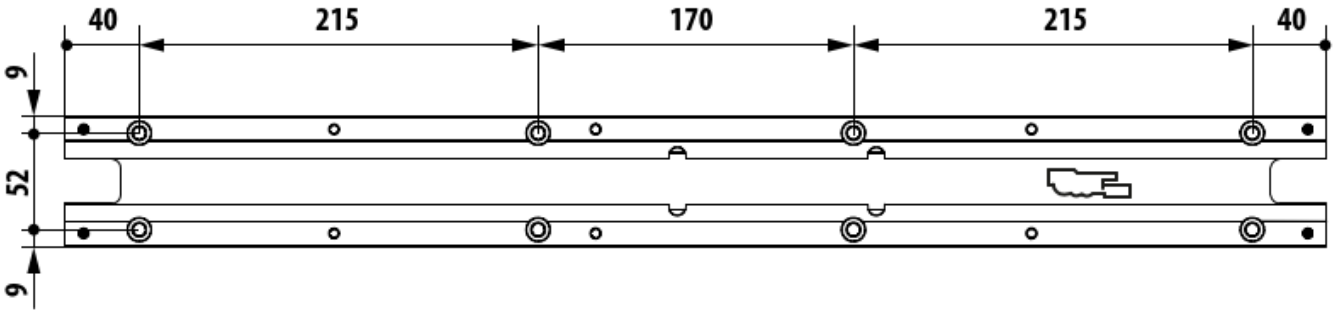
These instructions are to be considered as a quick guide for installation of the FAAC A952 for both a single or double door installation with On Door Safety Sensors and a check for opening/closing speeds along with the Hold Open time. We have included references where to find relevant wiring information for the fitting of Safety Sensors to protect the swept area of door/doors as specified by the Risk Assessment undertaken by the installer. The installer should still familiarise themselves with the full manual and the safety information contained within.

STEP 1

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

STEP 2

Use the back aluminium extrusion as a template for the positioning of the mounting holes of the operator. Refer to the A952 manual and pages 22 through to 28 for the correct instructions.

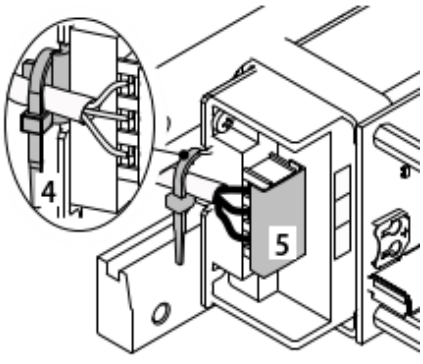


Use appropriate fixings for the material that you are fixing the operator to. In General, 60mm of Softwood, 40mm of Hardwood, 6/10mm of Aluminium or 6mm of Steel are suitable mounting requirements.

STEP 3

Once the operator and arm are mounted to the header and door, wire main power to the A952 as below.

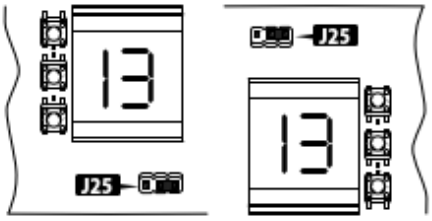
Introduce the Motor -Encoder -Power plugs into the Control Unit



Install the terminal board plastic protective cover. Power on.

STEP 4

The A952 uses an on-board programming system comprising of a display and function buttons. The display is inverted by using J25 to display the correct way up depending whether it is mount on a R/H or L/H door.



Programming of the unit can also be undertaken via the KP EVO, which will be required if using the Primary/Secondary functionality.

STEP 5

Depending on the arm used, adjust parameter "at" in Basic Programming as per below.

Defines the type of application.

SKID 1 (Short)

SKID 2 (Standard)

ARTICULATE (Push)

STEP 6

Now perform a Setup using the KP EVO or on C/Unit navigate to the Advanced Programming as below, select parameter "tL" (see below) and then holding "up" and "down symbols "until the "tL" begins to flash. When the buttons are released, the display will briefly change to "LO" and then to "L1" and the door will begin to close. Once the door is fully closed, the display will change to "L2", and the door will begin to open. Once the door is fully open, Setup will complete, and the display will show "03" for 2 seconds then the door will shut, and display will show "00". 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).

A new Setup is required if you have added presence detection after the initial commissioning.

STEP 7

Adjust Closing Opening, Speed and Pause Time as required in Basic Programming if using on-board programming, refer to pages 54 in the manual if using the KP EVO refer to page 75.

STEP 8

A large percentage of installations will require the use of On Door Safety Sensors, these include XPB ON's or the more advanced XPB SCAN's (BEA FLATSCAN's). use the wiring instructions as per page 63 in the manual. You will also be required to reconfigure "IN4 IN5" parameters in Advanced Programming -KP EVO

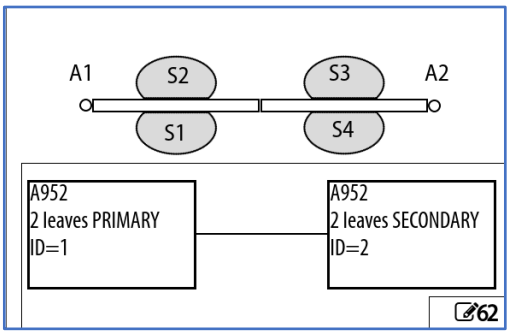
		Default programming	Type of contact
10	IN1	INTERNAL OPEN	NO
11	IN2	EXTERNAL OPEN	NO
12	IN3	EMERGENCY CLOSE	NC
13	IN4	CLOSING SAFETY DEVICE	NC
14	IN5	OPENING SAFETY DEVICE	NC
15	IN6	KEY	NO
16	IN7	FIRE ALARM	NO
17	IN8	AUTOMATIC OPEN	NO

If you are using XPB Scan's, refer to the BEA manufacturer's instructions enclosed within the packaging.

If using the XPB ON's and opening against a wall or barrier, you will need to enable PARTIAL STOP SEC in Basic Programming via the on-board display or if using the KP EVO – Spanner, Programming, Installation, Partial Stop Sec, Enable.

Enabling Partial Stop Sec when using the XPB ON's, you will need to re-run Setup so that the A952 can identify where Opening Stop Safety will be triggered to allow the inhibiting angle to be set.

Double Door Configuration – Primary /Secondary



If you are installing the operators on a double door, you will need to enable the Primary /Secondary functionality of the 952. In order to do this, you will require the use of a KP EVO (Part Number: 790022) as it is NOT POSSIBLE to achieve this otherwise. Please note that the A952 can only be configured as Primary /Secondary with another 952 of the same firmware/software versions.

STEP 1

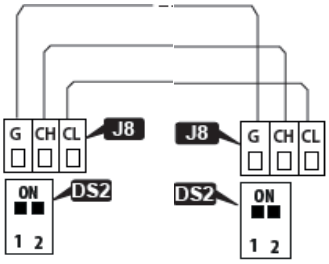
First set up the operators independently of each other by following Steps 1 though to 7. note that opening commands are to be connected to the operator designated as Primary (the first to open). Ensure that the Motion Parameters (See below) are identical between the two 952 operators.

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 952's together using a Multi-Core Cable (ideally Shielded, CAT5e is also suitable). 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).

Note that Factory default is in the "OFF" position.



STEP 3

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

7 INTERCOM

FUNCTION

Sets the operating mode.

PRIMARY/SECOND. NR.

Sets the network ID of the unit.

INTERCOM REG.

Registers the units of the network (to be performed only on the 950N2 with ID1).

NODE LIST

Shows the ID of the registered units (on the PRIMARY).

Set Function to “2 Leaves”.

Set Primary /Secondary Nr to “2 Secondary(S)”.

Unplug KP EVO from Secondary and plug into Primary (Note that there is no need to power down).

STEP 4

Using the KP EVO on the Primary C/U, go to Spanner, Programming and then into Intercom (as above) and performing the following configuration changes.

Error 5 will be displayed for 30 seconds, or a reset can be carried out.

Set Function to “2 Leaves”.

Set Primary (M)/Secondary (S) Nr to “1 Primary”.

In INTERCOM REG. select “YES” to perform INTERCOM REGISTRATION. If you can’t see line 3 and 4 above on KP EVO display, you are either still plugged into the Secondary or have not correctly configured the Primary /Secondary settings.

If wired and configured correctly as above, you can go into NODE LIST and see “02” in the display.

STEP 5

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

5 Leaf Delay 0…90 degrees.

Notes