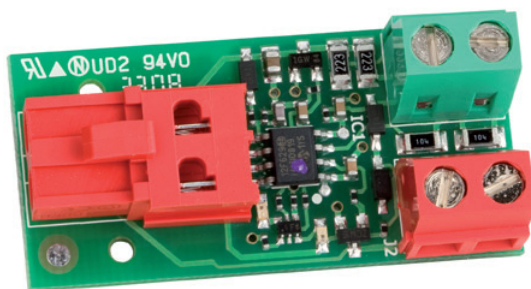


XIB Interface

Shadow loop kit for E024U



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FAAC

Through the use of the XIB interface board you can connect an additional loop detector (center or shadow) to the E024U board to keep the gate open if vehicles are obstructing the closing path.

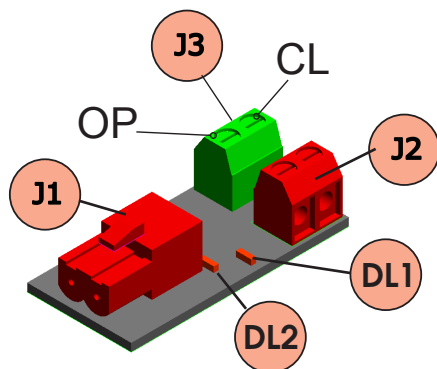


Fig 1: XIB board description

J1 (RED)	Connects to "2easy" BUS input on the E024U control board
J2 (RED)	Terminal block for the connection of the encoder
J3 CL (GREEN)	Terminal for the NC connection of the shadow loop detector
J3 OP (GREEN)	Not Used
DL1	LED for diagnostics of devices connected to the J3 OP terminal (not used)
DL2	LED for diagnostics of devices connected to the J3 CL terminal (see diagnostic table)

Depending on the board revision you might need to upgrade the software on the E024U before you can use the shadow loop kit. The software can be downloaded from the faacusa.com website or requested from Technical Support.

To do the upgrade:

1. Download software to a flash drive
2. Disconnect batteries if present
3. Turn AC power off and insert the Flash Drive into the USB connector on the board
4. Turn AC power back on. The USB2 LED will flash to confirm beginning of software update. (Warning: Do not turn the power off or remove the flash drive until the USB2 LED turns off.)
5. Wait until the USB2 LED turns off
6. Remove the USB flash drive

INSTALLING THE INTERFACE

1. Turn power OFF
2. Plug in the XIB interface to the 2EASY connector on the E024U board
3. Wire the shadow loop detector NC output to the CL input on the XIB board. See Fig. 2.
4. Connect Common from loop detector to Common (terminal 6) on E024U
5. Also jump out the OP input on XIB board to Common (terminal 6) on E024U
6. Turn power back ON
7. Go through setup/learn mode on the E024U board

DIAGNOSTIC TABLE				
	OFF	SLOW FLASHING (FLASH EVERY 5 secs.)	ON STEADY	FAST FLASHING (FLASH EVERY 0.5 secs)
DL1	"XIB" board malfunction or no power	J3 OP terminal open (missing jumper on the OP input)	J3 OP terminal closed (normal condition)	Error condition on the BUS
DL2	"XIB" board malfunction or no power	J3 CL terminal open (loop detector active or not connected)	J3 CL terminal closed (loop detector in idle condition)	

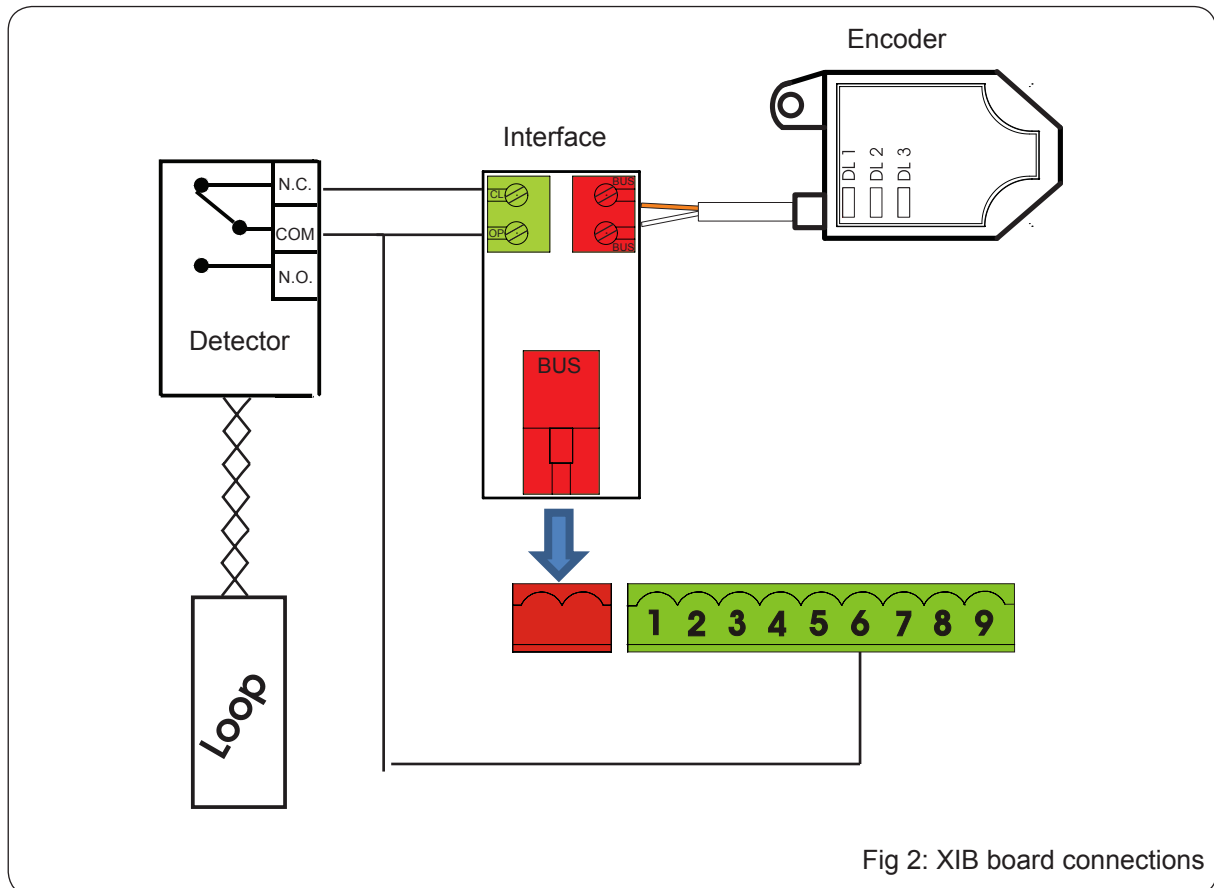


Fig 2: XIB board connections

NOTE:

- The shadow loop detector does not need to be connected in series with closing safety devices.
- If the board doesn't have the proper software installed the shadow loop will act as a normal closing safety, detecting also the gate itself and not allowing the closing movement to complete.

To remove the XIB interface board:

1. Turn power OFF
2. Unplug the board and remove the wiring
3. Move the encoder wires to the 2EASY connector on the board
4. Turn power back ON
5. Verify that leaf 1 & 2 lights on the encoder are correct
6. Press and release the SW1 button quickly. The board will recognize that the XIB board has been removed
7. Re-program run time if needed.

LIMITED WARRANTY

To the original purchaser only:

FAAC International, Inc., warrants, for twenty-four (24) months from the date of invoice, the gate operator systems and other related systems and equipment manufactured by FAAC S.p.A. and distributed by FAAC International, Inc., to be free from defects in material and workmanship under normal use and service for which it was intended provided it has been properly installed and operated.

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Consumers must inquire from their selling dealer as to the nature and extent of that dealer's warranty, if any. This warranty is expressly in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for use. This warranty shall not apply to products or any part thereof which have been subject to accident, negligence, alteration, abuse, or misuse or if damage was due to improper installation or use of improper power source, or if damage was caused by fire, flood, lightning, electrical power surge, explosion, wind storm, hail, aircraft or vehicles, vandalism, riot or civil commotion, or acts of God.