F44C



E145S Quick Start Guide

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These instructions are to be considered as a rapid guide for installation and to confirm the correct handing and polarity of the motors. They can also be used to confirm the operating logics before additional safety devices are fitted to the system 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.

CE DECLARATION OF CONFORMITY

The manufacturer

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

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

hereby declares that the following product:

Description: control board

Model: E145

conforms to the essential safety requirements of the following ECC directives:

Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility Directive 2014/30/EU

Directive ROHS 2011/65/EU

Furthermore, the following harmonised standards have been applied:

EN 60335-1:2012 + A11:2014 - EN 61000-6-2:2005 - EN 61000-6-3:2007 + A1:2011

Additional note: this product underwent tests in a typical uniform configuration (all products

manufactured by FAAC S.p.A.).

Bologna, January the 1st 2016

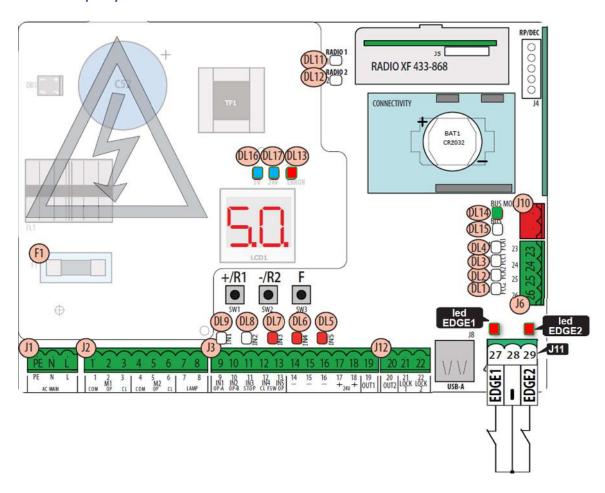


Installation Sequence

- 1. Perform A Risk Assessment for the system and resolve by design as many risks as possible
- 2. Secure the card into a suitable enclosure
- 3. Mount the motors as detailed in their relevant instructions
- 4. Use suitable cabling for the motors and accessories (BUS devices must be wired using a minimum 2 core, 0.5mm multi-stranded screened cable (the screen MUST be attached to the Earth Terminal)
- 5. Wire the electronic control board as per Page 4 for the motors and power supply
- 6. Please note that J3 Terminal block comes with the Stop, FSW CL and FSW OP pre-linked for first run-up of the system as shown on Page 3
- 7. Power up the E145 Board (please note that the board will take 5-10 seconds to boot-up)
- 8. Verify the status of the LED's and Display are as per Page 3
- 9. Depending on the installation, verify that the LED's on the encoders correspond to those described on Page 5
- 10. Wire in an OP-A trigger as per Page 4, alternatively program a remote control as shown on Page 11.
- 11. Familiarise yourself with how to program the E145S control board as per Page 6
- 12. Begin Basic Programming of the E145S on Page 7
 - a. If Hydraulic motors are used, please note that "F1" and "F2" MUST be set to "50" as torque adjustment is performed on the motors as detailed in the motor manual
 - b. Check Rotation of the motors by using Function "n1" and "n2" for motor 1 and 2 respectively as shown on Page 7
 - c. If using encoders, "EN" must be set to "y" and "bu" function should be followed as shown on Page 7
 - d. Verify that the Gates are in the closed position as detailed on Page 8
 - e. Run Time Learning "tL" function and follow procedure as detailed on Page 8
- 13. Provide an opening command to verify that the system works correctly
- 14. Adjust Operating Logic according to the customer requirement, brief details on Page 10
- 15. Connect Safety Devices to the system as deemed required by the Risk Assessment carried out previously
 - a. Hard Wired Safety Edges can be wired in J11 Terminals as per Page 3 and correct "So" or "Sc" function adjusted to match on Page 7
 - b. Wireless Safety Edges can be connected via the BUS 2easy connection if using the FAAC XTR and XTS Wireless Receiver system, the "bu" function must also be readdressed as shown on Page 7
 - c. If not using the FAAC XTR and XTS System please treat the input on J11 as required by the Wireless Safety Edge system being used
 - d. Traditional Photocells can be wired and configured as per Page 4
 - e. FAAC BUS 2easy Photocells can be wired and configured as per Page 5, the "bu" function must also be re-addressed as shown on Page 7
 - f. XGuard Laser Curtains would be configured as Traditional Photocells in 14.c
- 16. Connect any additional activation commands as per Page 4
- 17. If using either Safety Edges or Inherent Obstacle Detection as part of the Risk Assessment, there are useful Functions that can be modified to assist in attaining compliance on Page 9
- 18. If using XGuard Laser Curtains please test these in accordance with BS EN 12445/12453
- 19. Hand over all relevant documentation to the end customer as required by the Technical File and the Supply of Machinery (Safety) Regulations 2008

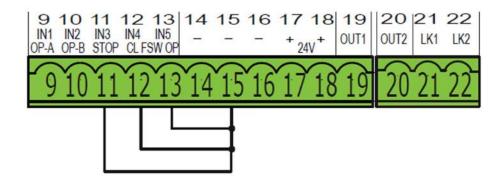


E145S LED Display at first Power On



J11 Terminals

The new J11 Terminal to allow the direct connection of resistive safety edges or N/C safety inputs comes pre-linked and configured to N/C setting, hence the relevant EDGE 1 or EDGE 2 LED being lit on first Power On.

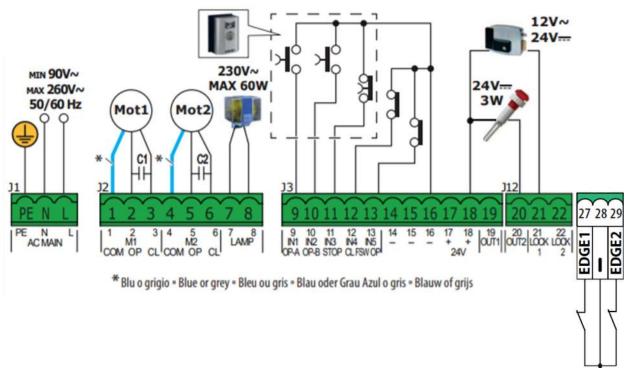


J3 Terminals

DL7, DL6 and DL5 will only be illuminated if the following terminals are linked out (please note that the board comes with links in place). The links are just to be used for test purposes only and safety devices should be wired in, as detailed in the instructions further below. In no circumstances should the system be handed over to the end user with these links still in place unless it is being controlled via Dead-Man operation and by trained users only.

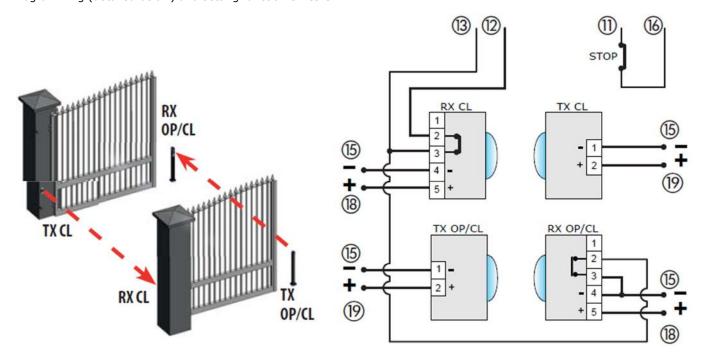


Electrical Connections



Connection of Traditional Photocells

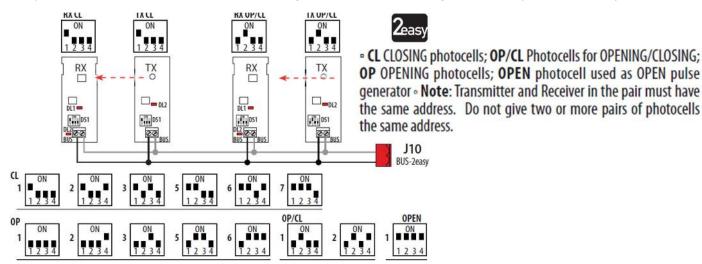
The E145S Control Board allows for the use of traditional photocells (n/c with relay). Below is a layout drawing showing the basic positions normally covered. The wiring diagram is for Fail-Safe enabled photocells. In order to comply with the standards, all devices used for safety should either have a circuit monitored by the control board or be self-monitoring. FAAC Control boards are able to perform the monitoring by the use of a Fail-Safe function, whereby the test negative is momentarily dropped (please note that this may not be compatible with non-FAAC equipment). This function is enabled by entering Advanced Programming (detailed below) and setting function **o1 to 01**.





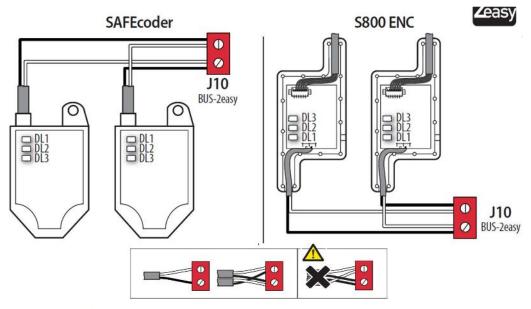
Connection of FAAC BUS 2Easy Photocells

The E145S Control Board also allows for the use of FAAC BUS 2easy photocells which allow for simpler cabling and a reduced power consumption. FAAC BUS 2easy photocells also remove the need for additional wiring for a monitoring circuit as it is carried through our proprietary FAAC BUS 2easy communication protocol (Please note that FAAC BUS photocells are only compatible with FAAC Control Boards and those using the BUS Terminal or using the BUS Relay Interface Board).



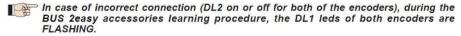
Connection of FAAC BUS 2easy Safecoders and S800 Encoders

The E145S Control Board also allows for the use of FAAC BUS 2easy Safecoders and the S800 Encoders on the 230v versions. This allows for the control board to have positional accuracy and allows for the possibility of inherent obstacle detection (Force Testing with the use a calibrated instrument to BS EN 12445/12453 norms (such as the Microtronics Blueforce Tester, available from FAAC UK) will be required to confirm suitability but please note that additional devices maybe required such as Safety Edges).

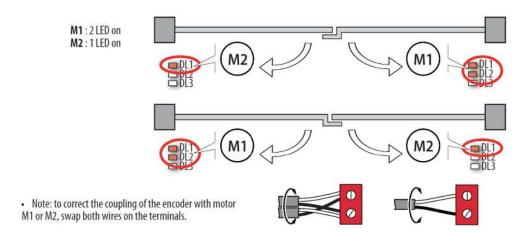


BUS 2easy Encoder LEDs Status

LED	ON	FLASHING	OFF		
DL1	Power present Communication present	Power present Communication absent	Power absent Communication absent		
DL1 must always be on to confirm correct encoder/board connection.					
	Leaf 1	1	Leaf 2		
DL2	DL2 indicates the leaf on which the encoder is installed; it must be on for leaf 1 and off for leaf 2.				
	Stationary leaf	Leaf in motion	Stationary leaf		
DL3	DL3 indicates pulse reading during leaf movement using steady flashing. In stationary status of the leaf, the DL3 can be either on or off.				







Verification of BUS 2easy Connections on J10 Terminal

The J10 Terminal on the E145S Control Board has two diagnostic LED's (DL15 - Red and DL14 - Green). These LED's assist in ensuring that any devices connected on the FAAC BUS 2easy network are installed correctly.

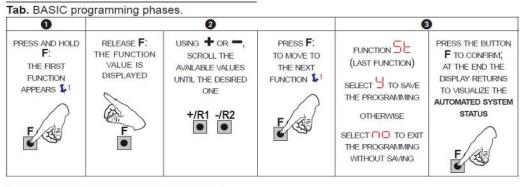
To check the condition of the BUS-2EASY connection, verify the LED on the board:

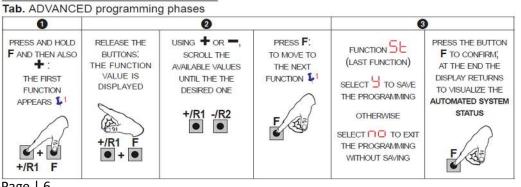
LED DL15 (Red)			
ON	N Safety device engaged or pulse generator active		
OFF	NO safety device engaged neither pulse generator active		
LED DL14 (Green)			
ON steady Normal activity (led ON even if there are no devices).			
Slow blinking (blink every 2,5 sec)	BUS-2EASY line short-circuit.		
Rapid blinking (blink every 0.5 sec)	Error in the BUS-2EASY connection. Repeat the device entry. If the error occurs again, check: - That there are no more than one device in the system with the same address. - Calling error (number > or < the connected BUS devices). - FAIL SAFE error on the BUS device.		

E145S Control Board Programming

Programming is split over two levels:

- Basic Programming
- Advanced Programming





The function is displayed only while the button is pressed

Page | 6



Basic Programming

Basic	Function	Default	Basic Function Default
CF	MOTOR TYPE:		Br SLIDING LEAF BRAKING (only displayed 05
L	Motors for swing gates		with the $CF = 2$ or $CF = PC$ function):
	2 Motors for sliding gates		OO = braking disabled
	PC Mixed configuration from a PC/MAC		10 = maximum braking time
	(e.g.: one swing and one slide)		LEAF CLOSING DELAY (only displayed with 05
dF	DEFAULT:	9	the Mo = 2 function):
0.	Indicates that all the set values are	_	Can be adjusted from DD to 3 minutes.
	default values.		BUS-2easy DEVICE REGISTRATION:
	no Indicates that at last 1 set value is		Register: keep + and - pressed simulta-
	different from the default values.		neously for at least 5 s (the display flashes
	Select 9 if you wish to restore the default		during this time).
	configuration.		9 will appear once confirmation of the com-
LO	OPERATING LOGIC:	Ε	pleted registration is given.
	E. EP. S. SA. SP. Al. A. AP. AL.		Release + and The status of the BUS-2easy devices will appear on the display.
	b. bc. c. cu		Fncoder 1:
	Refer to the specific paragraph for a description of the operating logics.		Opening photocells: ON = connected and registe-
			ON = registered and committed red correctly
PH	PAUSE A TIME (only displayed with Auto-	30	1 1
	matic logic): Can be adjusted from 00 to 9.5 minutes.		
			Opening and clo-
РЬ	PAUSE B TIME (only displayed with Auto- matic logic):	30	sing photocells:
			ON = registered and always ON
	Can be adjusted from 00 to 9.5 minutes.	10000	committed Encoder 2:
Ma	NUMBER OF MOTORS:	2 (swing)	ON = con- nected and
	= 1 motor	(sliding)	Closing photocells: OPEN Photocell: registered cor-
	2 = 2 motors	-	ON = registered and com- ON = registered rectly
FI	MOTOR 1 POWER:	25	mitted and committed
	OI = minimum power		40700 3 1 1 00005 1 / 1
	50 = maximum power		MOTOR 2 dead-man DRIVE mode (only
F2	MOTOR 2 POWER (only displayed with the	25	displayed with the $\cap \cap = 2$ function): +/R1
	$n_0 = 2$ function):		OPENS (displaying oP) for as long as
	OI = minimum power		the button is pressed
	50 = maximum power		-/R2
En	ENCODER USE:	no	■ CLOSES (displaying cL) for as long as
	Section 2 = encoders on both motors		the button is pressed
	no = disabled encoders		MOTOR 1 dead-man DRIVE mode:
FR	LIMIT SWITCH WHEN OPENING (only	no	+ <u>/R1</u>
	displayed with the $CF = I$ or $CF = PC$		OPENS (displaying □P) for as long as
	function):		the button is pressed
	no = opening limit switches disabled		-/R2
	OI = the limit switch determines when the		CLOSES (displaying cL) for as long as
	movement is stopped		the button is pressed
	02 = the limit switch determines when		
	deceleration begins		UP):
FC	LIMIT SWITCH WHEN CLOSING (only displa-	no	Refer to the relative paragraph.
	yed with the $\Box F = I$ or $\Box F = P\Box$ function):		SE STATUS OF THE AUTOMATED SYSTEM:
	no = closing limit switches disabled		set the selection:
	O = the limit switch determines when the movement is stopped		∃ to SAVE and EXIT programming
	02 = the limit switch determines when		to EXIT programming WITHOUT SAVING
	deceleration begins		press F to confirm; when completed, the status
_		5-2-3	of the automated system will appear on the
50	= concitive edges with MC contact		display once again:
	= sensitive edges with NC contact		OO = CLOSED
-	Γ = resistive sensitive edges 8.2 kΩ	n activated	DI = OPEN
	onnect a sensitive edge or another device that, whe uring opening, causes the gate to reverse.	ni activated	O2 = Stationary and then "OPENS"
	DO NOT connect more than one resistive sensitive edge on each confi	nured issue	OB = Stationary and then "CLOSES"
		amen mbut = LC	OH = In "PAUSE"
50	EDGE2: SAFETY IN CLOSING		OS = Opening
19,000	= sensitive edges with NC contact		O6 = Closing
	\vdash = resistive sensitive edges 8.2 k Ω		O → = FAIL SAFE in progress
	onnect a sensitive edge or another device that, who	en activated	OB = Verifying BUS-2easy devices
^	uring closing, causes the gate to reverse.		D9 = Pre-flashes and then "OPENS"
<u> </u>	\sum DO NOT connect more than one resistive sensitive edge on each con	figured input = ~E	The manner and their cooper
0.0			II = Emergency open
			12 = Emergency close
			HP = Hold position



Set-Up - Time Learning (tL - function)

50 flashes on the display indicating that a SET-UP must be performed.



All safety devices are disabled during SET-UP; therefore, prevent any transit in the leaf movement area.



The connected BUS-2easy accessories are always registered during SET-UP.

The deceleration spaces can be configured and modified from the Advanced Programming (\neg I and \neg Z) without having to repeat the SET-UP.

Refer to the complete instructions if there are limit switches.

SETUP WITHOUT ENCODER



If a system without an encoder is installed, the leaves will require mechanical stops.

- Access BASIC programming and go to the EL function. The — will appear when the F button is released.
- Verify that the leaves are closed. Otherwise:
- Keep the -/R2 button pressed to close leaf 2
- Keep the +/R1 button pressed to close leaf 1



If the corresponding leaf opens when the +/R1 and/ or -/R2 buttons are pressed, disconnect the power and invert the phase wires of the corresponding motor on the J2 terminal board, (terminals 2-3 for the leaf 1 motor and terminals 5-6 for the leaf 2 motor).

- With the leaves closed, keep buttons + and pressed (approx. 3 sec) until 51 flashes on the display.
- Release + and -. Leaf 1 begins its opening movement. Stop the leaf movement by sending an OPEN A pulse as soon as it reaches the mechanical stop.
- (if fin = 2) 52 will flash on the display. Leaf 2 begins its opening movement. Stop the leaf movement by sending an OPEN pulse as soon as it reaches the mechanical stop.
- (if fin = 2) 53 will flash on the display. Leaf 2 begins its closing movement. Stop the leaf movement by sending an OPEN pulse as soon as it reaches the mechanical stop.
- 54 will flash on the display. Leaf 1 begins its closing movement. Stop the leaf movement by sending an OPEN pulse as soon as it reaches the mechanical stop.
- The board will automatically exit the programming. The OD on the display (status of the automated system) confirms that the SET-UP has been completed correctly. The SD flashing on the display indicates that it is necessary to repeat the SETUP.

SETUP WITH ENCODER



If there are mechanical stops, the SETUP does not require OPEN A pulses.

- Access BASIC programming and go to the En function. Set Y to enable BUS encoders.
- Go to the EL function. The will appear when the F button is released.
- Verify that gate leaves are closed. Otherwise:
 - Keep the -/R2 button pressed to close leaf 2
- Keep the +/R1 button pressed to close leaf 1



If the corresponding leaf opens when the +/R1 and/ or -/R2 buttons are pressed, disconnect the power and invert the phase wires of the corresponding motor on the J2 terminal board, (terminals 2-3 for the leaf 1 motor and terminals 5-6 for the leaf 2 motor).

- With the leaves closed, keep buttons + and pressed (approx. 3 sec) until 5I flashes on the display.
- Release + and -. Leaf 1 begins its opening movement and will stop as soon as it reaches the mechanical stop. If there is no mechanical stop, stop the leaf movement at the desired point by sending an OPEN A pulse.
- (if fin = 2) 52 will flash on the display. Leaf 2 begins its opening movement and will stop as soon as it reaches the mechanical stop. If there is no mechanical stop, stop the leaf movement at the desired point by sending an OPEN A pulse.
- (if fin = 2) 53 will flash on the display. Leaf 2 begins its closing movement and will stop as soon as it reaches the mechanical stop. If there is no mechanical stop, stop the leaf movement at the desired point by sending an OPEN A pulse.
- 54 will flash on the display. Leaf 1 begins its closing movement and will stop as soon as it reaches the mechanical stop. If there is no mechanical stop, stop the leaf movement at the desired point by sending an OPEN A pulse.
- The board will automatically exit the programming. The OO on the display (status of the automated system) confirms that the SET-UP has been completed correctly. The SO flashing on the display indicates that it is necessary to repeat the SETUP.



Advanced Programming

ьо т	Advanced Function			
	ME OF MAXIMUM POWER AT START-UP	OI		
c5 F	INAL STROKE WHEN CLOSING (FLUID AMMER) (NOT displayed with the $FC =$ function)	no		
	EVERSE STROKE WHEN OPENING (NOT isplayed with the $FH = I$ function)	no		
	EAF OPENING DELAY (only displayed with the	02		
Pi A	EAF 1 DECELERATION: he deceleration space can be adjusted as a ercentage of the total travel of leaf 1. djustable from 00 to 99%, in 1% steps.	50		
9	9 = maximum deceleration space			
1	LEAF 2 DECELERATION (only displayed with the fin = 2 function): The deceleration space can be adjusted as a percentage of the total travel of leaf 2. Adjustable from 00 to 99%, in 1% steps. The deceleration of the deceleration space are maximum deceleration space.	50		
PF F	PRE-FLASHING	no		
Ph (CLOSING PHOTOCELLS	no		
Ad A	ADMAP FUNCTION	no		
t t c	ANTI-CRUSHING SENSITIVITY (only displa- yed with the En = 5 function): Varying this function alters the time after which the board commands the leaves to reverse their direction in case of an obstacle or to stop if they are in the contact point search space (refer to the r function). The fourth consecutive obstacle detected in the ame direction and position will be defined as a contact point and the leaf will stop in this position.	05		
-B !	OO = minimum sensitivity (maximum time before reversal) O = maximum sensitivity (minimum time before reversal) MECHANICAL STOP SEARCH ANGLE (only displayed with the EO = Y function and	4.0		
r8 / F	perfore reversal) = maximum sensitivity (minimum time perfore reversal) MECHANICAL STOP SEARCH ANGLE (only displayed with the En = 9 function and En and E	4.0		
rB /	perfore reversal) = maximum sensitivity (minimum time perfore reversal) MECHANICAL STOP SEARCH ANGLE (only displayed with the En = 9 function and En and En = 00 or = 00 functions): The mechanical stop search angle within which the board stops the movement without eversing if an obstacle is encountered or the mechanical stop itself can be adjusted. The mechanical stop itself			
r8 / F	perfore reversal) = maximum sensitivity (minimum time perfore reversal) MECHANICAL STOP SEARCH ANGLE (only displayed with the En = 9 function and England En	03		

Adv	Advanced Function			
F5	OUT 2 TIMING (only displayed with the \circ 2 = \circ 3 or \circ 2 = \circ 4 function): Adjustable like \circ 1.	02		
AS	MAINTENANCE REQUEST - CYCLE COUNTER (linked to the subsequent 2 functions)	no		
nc	CYCLE PROGRAMMING (THOUSANDS)	00		
nd	CYCLE PROGRAMMING (TENS)	00		
SE	STATUS OF THE AUTOMATED SYSTEM: Refer to ST Basic Function.	9		

Out 1 Options available

	= always active	
Ul	= FAIL-SAFE	

= INDICATOR LIGHT (off = closed; on = during opening and open/ in pause; flashing = during closing)

= COURTESY LIGHT (stays on for the duration of the movement (even in SETUP) in addition to the set time of function

UH = ACTIVE ERROR

05 = automated system OPEN or in PAUSE

= automated system CLOSED = automated system MOVING

□B = automated system in EMERGENCY

= automated system in OPENING

= automated system in CLOSING

= DISABLED

= safety device ACTIVE

= TRAFFIC LIGHT function (active when OPENING and with automated system OPEN)

= timed output which can be activated from the second radio channel OMNIDEC (see function |

= output which can be activated from the second radio channel OMNIDEC (step-by-step function)

= active during movement of leaf 1

= active during movement of leaf 2

= active during breach alarm

Useful Functions to protect against the risk of impact/crushing on the main edge

Please note that if you are using either safety edges or inherent obstacle detection (such as encoders), then you must a Force Tester calibrated to BS EN 12443/ 12453 norms and the results must fall within the values there in and in accordance with the risk assessment already undertaken.

- FI Allows the static thrust force of motor 1 to be adjusted. NOTE: For hydraulic operators, set the force value to maximum and adjust it via the bypass screws.
- F2 Allows the static thrust force of motor 2 to be adjusted NOTE: For hydraulic operators, set the force value to maximum and adjust it via the bypass screws.
- En Enables the encoders to be read by the electronic board, thereby quaranteeing that inversion occurs in the presence of obstacles (set En=4).
- Cd Allows the closing delay of motor 1 to be modified in order to obtain a phase shift between the two leaves and reducing the risk of crushing between the two moving leaves.
- Allows the space of reduced speed of leaf 1 to be adapted. The impact at slow speed allows the dynamic force to be reduced.
- r≥ Allows the space of reduced speed of leaf 2 to be adapted. The impact at slow speed allows the dynamic force to be reduced.
- EC Allows the obstacle inversion sensitivity to be adjusted.
- r8 Allows the space before the mechanical stops in which the board does not perform inversions to be modified (set a value between 1 and 49 mm).



E145S Signalling Errors and Alarms

The ERROR LED (DL13) will flash to signalling an alarm. Alarms do not compromise operation.

The ERROR LED (DL13) will go on steady to signalling an error. Errors stop the operating. Remove the situation causing the error; it will disappear in the following cycle.

By simultaneously pressing + and - the display will show the number corresponding to the error/alarm in progress.

Error	Intervention required
□ Board broken	Replace the board
☐S Invalid SETUP	Repeat board SETUP
□ BUS-2easy device error	Ensure that no two pairs of devices have the same address.
09 BUS-2easy output short-circuit	Check the connections of the con- nected and entered BUS-2easy devices
Motor 1 limit switch error	Check the limit switch connections for motor 1
Motor 2 limit switch error	Check the limit switch connections for motor 2
≥ BUS-2easy call	Ensure that the BUS devices are operating correctly and, if neces- sary, repeat BUS device acquisition
13 FAIL SAFE	Check that the safety devices (pho- tocells) are operating correctly
4 Configuration error	Check that the board is configu- red correctly (basic and advanced programming) and, if necessary, repeat SETUP
Motor 1 encoder fault	Check the connections or replace motor 1 encoder
I⊟ Motor 2 encoder fault	Check the connections or replace motor 2 encoder
Incorrect memory data	Repeat BUS-2easy device entry and/or re-program the board
93 High absorption at +24V	Check that absorption by the ac- cessories connected is within per- mitted limits

Alarm	Intervention required
Obstacle on MOTOR 1 (only with encoder/safe- ty edge)	
Obstacle on MOTOR 2 (only with encoder/safe- ty edge)	on leaf 2
25 LOCK 1 output short-	Remove the cause of the short- circuit
26 LOCK 2 output short-	Remove the cause of the short-circuit
	Remove any possible obstacle. Should the problem persist, repeat SETUP
Nr. of consecutive ob- 28 stacles exceeded during closing	Remove any possible obstacle. Should the problem persist, repeat SETUP
∃() XF radio code memory ful	Cancel the radio codes that are not being used using the PC program or use an additional DEC/MINIDEC/ RP module
∃ Breach alarm	A movement was made with the automated system in status St = 00 or 01. Perform an operation cycle.
35 TIMER active and TIMER fun-	TIMER function is operating
니 Service request	Contact the installer for maintenance
50 The HOLD POSITION is operating (active on PC/MAC)	HOLD POSITION function is operating
60 TIMER active and error in	Reload a correct TIMER configura- tion with the PC/MAC programme
Loss of time and date	Reload the time and date with the PC/MAC programme and replace the BAT1 - CR2032 buffer battery
Timen is operating)	
63 JOLLY TIMER is activated	JOLLYTIMER is enabled by terminal board J3

E145S Operating Logics

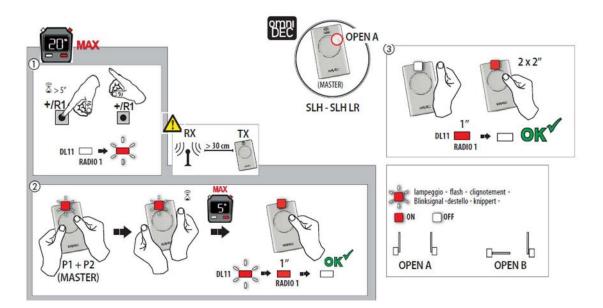
The table below shows only the most commonly used Operating Logics on our control board. For further details, please refer to the main manual for the full list.

LO	OGIC	Status of the automated system: stopped	Status of the automated system: in motion	Status: photocell action
E	Semi-automatic		An OPEN pulse stops the gate when opening and reopens when the gate is closing	The photocells invert during motion
A	Automatic	An OPEN pulse opens the gate and closes automatically after the pause time	An OPEN pulse is ignored when the gate opens, is reapplied during the pause and reopens when the gate closes	The closing photocells reapply the pause
C	Dead-man (OPEN- B inputs become CLOSE)	Logic with two separate com- mands: pressed OPEN-A opens; pressed CLOSE closes	An OPEN-A pulse opens when the gate closes; a CLOSE pulse closes when it opens	The photocells invert during motion



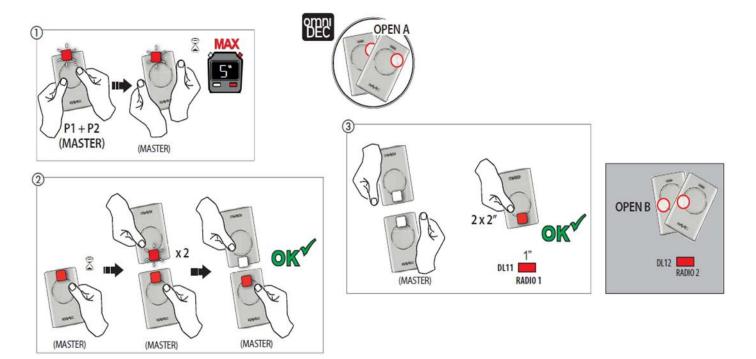
Programming Remote Controls using the XF Receiver and OmniDec

Programming a new remote control to a new E145S System





Programming a new remote control from a working master remote control



Tutorial Videos available for programming remote controls

FAAC UK have created tutorial videos to assist the installer in the programming of remote controls. Please use the link below to navigate straight to our "YouTube" Channel or use your preferred web browser and navigate to "youTube.com" and search for "FAAC UK" and select our channel and look for the videos required.

