

PLANEL

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INSTALLATION MANUAL

Automation for interior swing doors



English Translation of the ORIGINAL INSTRUCTIONS



INDEX:

1)	MODEL DESCRIPTION	4
2)	TECHNICAL SPECIFICATIONS	4
3)	COMPONENTS OF THE NEXT 75 AUTOMATION	5
4)		6
-, 4 1)		7
4.1) // 2)	NEXT BDS PUSH SUDING ARM	0
4.2)		9 10
4.5)		10
) 5)		12
6)		16
0) 6 1)		10
6.2)	SAFETY SENSOR FLAT SCAN	10
7)	ET-DSEL DIGITAL PROGRAMMER - SCOPE AND CONNECTIONS	10
8)		18
8.1)	EIRST START OF ET-DSEL DIGITAL PROGRAMMER	18
8.2)	SERIAL COMMUNICATION SET-UP	18
8.3)	INITIAL SET-UP	19
8.4)	FUNCTIONAL TESTING	21
8.5)	INPUTS DIAGNOSTICS	21
9)	PROGRAM SELECTORS	22
9.1)	MANUAL PROGRAM SELECTOR	22
9.2)	EV-MSEL MECHANICAL KEY SELECTOR	22
9.3)	ET-DSEL DIGITAL PROGRAMMER USED LIKE PROGRAM SELECTOR	23
10)	BATTERYPACK NEXT-BAT75	25
11)	GENERAL PROGRAMMING MENU	26
12)	FUNCTIONS AND SETTINGS	27
12.1)		27
12.2)		27
	POTENTIONS TABLE	28
13)		35
14)	PASSWORD MANAGEMENT	35
14.1)	HOW TO CHANGE THE TECHNICAL PASSWORD	36
14.2)	HOW TO CHANGE THE PRIMARY PASSWORD	36
14.3)	HOW TO CHANGE THE SERVICE PASSWORD	37
14.4)	ENABLING USER (primary and service) PASSWORD USAGE	38
14.5)	DEACTIVAING THE USER PASSWORD USAGE	38
15)	SELECTOR OPTIONS	39
16)	INFORMATION AND EVENT MEMORY	40
17)	MAINTENANCE	43
18)	ELECTRIC LOCK APPLICATIONS	44
19)	DOUBLE LEAF DOOR SET	45
19.1)	ELECTRICAL WIRING FOR A DOUBLE LEAF DOOR SET	45
19.3)	FUNCTIONAL TESTING	48
19.4)	PEDESTRIAN OPENING	48
19.5)	CONSIDERATION ON THE USE OF ET-DSEL PROGRAMMER IN A DOUBLE DOOR SYSTEM	A 49
19.6) 201		49 50
,		00
DEC	ARATION OF INCORPORATION OF PARTLY ASSEMBLED MACHINERY	51
		01

GENERAL SAFETY WARNINGS

Carefully read this instruction manual for the safe installation and operation of the automatic door. Improper installation and incorrect use of the product could cause serious injury.

Keep the instruction manual for future reference.

The installer must provide all the information about operation and provide the system user with the user manual delivered with the product.

MEANING OF THE SYMBOLS USED IN THESE INSTRUCTIONS



DANGER: Indication of dangerous situations that could cause material damage and personal injury.



WARNING: Identifies the procedures that absolutely must be understood and followed in order to avoid damage to the product or malfunctions.



NOTE: Highlights important information.

GENERAL SAFETY OBLIGATIONS



The mechanical and electric installation must be performed by specialised personnel in accordance with the applicable directives and regulations.

The installer must make sure that the structure to be automated is stable and robust and if necessary, make structural modifications to make it so.

Keep product and packaging materials out of children's reach, as they might be a source of danger.

The equipment can be used by children of at least 8 years of age and by people with reduced physical, sensory or mental skills, or by inexperienced people, provided they are supervised, or after the same have received instructions relating to the safe use of the equipment and to the understanding of the relevant hazards.

Children should not play with the equipment.

Cleaning and maintenance intended to be performed by the user must not be carried out by children without supervision.

Do not let the children stay or play within the operating range of the door.

This product is designed and built exclusively for the purpose described in this documentation.

Any other use that is not specifically indicated could adversely impact the condition of the product and the safety of people.

Label accepts no responsibility for incorrect product installation and usage, as well as for any damage caused by changes made without its prior consent.

Label is not responsible for the construction of the doors to be motorised.

This automation can be installed only in the inner side of the buildings.

This product cannot be installed in explosive environments or atmospheres, or in the presence of flammable gases or fumes.

Make sure that the characteristics of the electric distribution network are compatible with the technical data indicated in this manual and that upstream of the system there is an omnipolar switch with an opening distance of the contacts of at least 3mm and a residual current device. Check the temperature of the equipment, indicated in the marking, before installing the equipment.

The automatic door must be checked, started up, and tested by skilled and well-prepared personnel.

A technical dossier must be compiled for every automation, as established in the Machinery Directive.

Disconnect the power supply before working on the automation and before opening the cover.

Maintenance is of fundamental importance for the proper operation and safety of the automation.

Check the efficiency of all parts every six months.

Use only original spare parts for maintenance and when replacing product components.

Cleaning operations must be performed with the power supply disconnected, using a damp cloth.

Do not deposit or let water or other liquids penetrate into the automation or the accessories that are part of the system.



It is recommended to subscribe a maintenance contract.

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The automatic swinging doors must be designed and installed so as to protect users against the risk and danger of crushing, impact, and shearing between the leaf and adjacent parts near the door outline.

The person responsible for starting-up the automation must perform a risk assessment based on the place of installation and the type of users that could use the automatic door.

The automation NEXT 75, as provided for by the standard EN16005, must be equipped with the safety devices.



- A = Main closing edge
 - = Secondary closing edge
 - = Opposite closing edge

The crushing and shearing dangers on secondary the closing edge must be protected structurally or by means of additional safety provisions (e.g., rubber covers). Any residual risks must be properly highlighted.

1) MODEL DESCRIPTION

The NEXT 75 automation has an electro-mechanical motor for opening the pedestrian swing doors.

The electronic control equipment is located inside the operator.

A list of the operator models for NEXT 75 swinging doors produced by Label is provided below:

NEXT 75 = automation for single door, for maximum leaf weight 75 kg.

NEXT 75B = automazione con batteria per singola anta, for maximum leaf weight 75 kg.

NEXT 75D = automazione per doppia anta, for maximum leaf weight 75 kg.

NEXT 75DB = automazione con batteria per doppia anta, for maximum leaf weight 75 kg.

The NEXT 75 automation can be used with a slide pull arm or with an articulated push arm.

The operator must be installed in indoor environments.

All models are reversible, therefore in the case of a power failure the door can be opened manually. Before starting with assembly check the technical drawings in paragraph 4.

2) TECHNICAL SPECIFICATIONS

POWER SUPPLY	115/230~ , 50/60Hz
POWER max.	40W
RATED LOAD	≤ 25 Nm
LEAF WEIGHT MAX.	75 kg
POWER SUPPLY OF EXTERNAL ACCESSORIES	24Vdc, 1A
CLASS APPLIANCE	class II 🛛
ELECTRIC MOTOR	Brushless 24Vdc
DIMENSIONS (LxHxD)	420 x 60 x 74 mm
STAND-BY POWER	5W
AMBIENT TEMPERATURE	-15°C +50°C
FREQUENCY OF USE	continuous
LIMIT SWITCH AND ANTICRUSHING SAFETY	encoder controlled
REACTION TO OBSTACLES	reversal of direction
OPENING TIME for 90°	2 - 12 seconds adjustable
CLOSING TIME for 90°	4 - 12 seconds adjustable
PAUSE TIME	0 - 60 seconds adjustable
EMISSION SOUND PRESSURE LEVEL	LpA ≤ 70dB (A)

3) COMPONENTS OF THE NEXT 75 AUTOMATION



LEGEND:

- 1 SWITCHING POWER SUPPLY NEXT-PW75
- 2 LOGIC CONTROL UNIT NEXT-L75
- **3 GEARMOTOR WITH ENCODER**
- 4 BATTERY PACK NEXT-BAT 75
- 5 FIXING PLATE
- 6 PLASTIC PLATE
- 7 MANUAL PROGRAM SELECTOR



The NEXT 75 automation can be installed without taking into consideration the assembly direction because the opening direction of the door is automatically detected by the electronic control unit during the set-up cycle.

















4.3) NEXT-BAS PUSH ARTICULATED ARM









NEXT-EXT

Connection for shaftextension 25mm. Applicable on all types of arms to increase the distance between automation and arm.



5) ELECTRIC CONNECTIONS



230V POWER SUPPLY CONNECTION

STEP 1



Exploded view

STEP 2

STEP 3



Cable connection to the power terminal

Wired terminal insertion in the protective housing

STEP 4

Closure of the

protective housing



Plug-in connection to the 230V input connector of the NEXT 75 control unit

CONNESSIONI ELETTRICHE MORSETTI CENTRALINA NEXT-L75

Morsetti 0-	-5 =		AUX1 (selettore manuale)
Morsetti 0-	-4 =		AUX 2 (selettore manuale)
Morsetti 0-	-3 =		ingresso OPEN (contatto N.A. se F21 = ON; contatto N.C. se F21 = OFF)
Morsetti 0-	-2 =		ingresso radar interno (contatto N.A.)
Morsetti 0-	-1 =		ingresso radar esterno (contatto N.A.)
Morsetti 0-	-6 =		ingresso sensore sicurezza in apertura (contatto N.C.)
Morsetti 0-	-7 =		ingresso sensore sicurezza in chiusura (contatto N.C.)
Morsetti 0-	-24 =		uscita 24Vdc (0 negativo, 24V positivo)
Morsetti 0-	-T =		Test per sensori di sicurezza (0 negativo, 24V positivo)
Morsetti S-	-24V =		Uscita Open Collector.
			La modalità di funzionamento dipende dalla funzione multipla F41m.
Morsetti C	– NA – NC	=	(Comune, normalmente aperto, normalmente chiuso) Contatto pulito del relè RL1 per collegamento elettroserratura.

6) SAFETY SENSOR DEVICES

This section describes how to connect and configure properly some of the safety sensors in compliance with the standard EN12987 available on the market, to ensure a level of safety corresponding to PL = c, Category 2 as required by the standard EN16005.

6.1) SAFETY SENSOR OA-EDGE T

This section describes how to connect and configure OA-EDGET safety sensors in compliance with the standard EN16005.

WIRING CONN	ECTION SENSOR OA-EDGE T	WIRING CONNECTION NEXT 75 AUTOMATION		
	Wiring between the sensor and the terminal of the control unit NEXT-L75			
1. WHITE (+)	Supply power	TERMINAL 24 (+)		
2. BROWN (-)	Supply power	TERMINAL 0 (-)		
3. GREEN COM	(Closing side)	TERMINAL 0 COM		
4.YELLO W N.C.	(Closing side)	TERMINAL 7 Safety sensor in closing		
5. GREY N.O.	(Closing side) do not connect			
6. PINK COM	(Opening side)	TERMINAL 0 COM		
7. BLUE N.C.	(Opening side)	TERMINAL 6 Safety sensor in opening		
8. RED N.O.	(Opening side) do not connect			
9. BLACK (+)	Test input	TERMINAL T TEST (+)		
10. VIOLET (-) Test input		TERMINAL 0 GND (-)		
DIP SWITCH SETTI	NG ON OA-EDGE T	PARAMETERS ON DIGITAL PROGRAMMER ET-DSEL		
A7 = ON Low level	test input.	F11 (S05) = ON Safety sensor in closing		
A8 = OFF Input test delay 10msec		F12 (S06) = ON Safety sensor in opening		
B4 = OFF Sensor installed opening side.		F13 (S07) = ON TEST safety sensor in opening		
B4 = ON Sensor installed closing side.		F14 (S08) = ON TEST safety sensor in opening		
		F15 (S09) = OFF Test level LOW		

6.2) SAFETY SENSOR FLAT SCAN

WIRING CONNECTION SENSOR FLAT SCAN			WIRING CONNECTION NEXT 75 AUTOMATION		
Wiring between the sensor and the			terminal of the control unit NEXT-L75		
1. GREEN	(+)	Supply power	TERMINAL 24 (+)		
2. BROWN	(-)	Supply power	TERMINAL 0 (-)		
3. YELLOW	COM	(Opening side)	TERMINAL 0 COM		
4. WHITE	N.C.	(Opening side)	TERMINAL 6 Safety sensor in opening		
5. BLACK	N.O.	(Opening side) do not connect			
6. PINK	СОМ	(Closing side)	TERMINAL 0 COM		
7. VIOLET	N.C.	(Closing side)	TERMINAL 7 Safety sensor in closing		
8. GREY	N.O.	(Closing side) do not connect			
9. RED	(+)	Test input	TERMINAL T TEST (+)		
10. BLUE	(-)	Test input	TERMINAL 0 GND (-)		
DIP SWITCH S	ETTING	ON FLAT SCAN	PARAMETERS ON DIGITAL PROGRAMMER ET-DSEL		
DIP 1 ON Sen	sor insta	lled opening side.	F11 (S05) = ON Safety sensor in closing		
DIP 1 OFF Sensor installed closing side.		alled closing side.	F12 (S06) = ON Safety sensor in opening		
			F13 (S07) = ON TEST safety sensor in opening		
			F14 (S08) = ON TEST safety sensor in opening		
			F15 (S09) = OFF Test level LOW		

7) ET-DSEL DIGITAL PROGRAMMER – SCOPE and CONNECTIONS

The ET-DSEL digital programmer is the essential tool for the installer, to configure the automatic door operation and perform the set-up and function/parameter setting operations, to carry out the system diagnostics and to access the event memory containing information about the automatism and its operation.

Access to the programming menu is protected by a technical safety password, to ensure that only specialised and authorised personnel can perform any operation on the automatism.

ET-DSEL digital programmer can also be used by the final user, but only for choosing the operating mode of automatic door; the user can also select the preferred language and set up a user password to prevent the use of digital programmer by unauthorized persons.

Connect the ET-DSEL digital programmer to the control unit of the NEXT-L75 operator, using a 0.33mm 4-wire cable with twisted pairs for RS485 applications.

Terminal +13V = connect to terminal + of the NEXT-L75 control unit (+ positive);

- Terminal = connect to terminal 0 of the NEXT -L75 control unit (0 GND);
- Terminal A = connect to terminal A of the NEXT -L75 control unit (A);
- Terminal B = connect to terminal B of the NEXT -L75 control unit (B);

For each subject-matter described in the following paragraphs the use of digital programmer (hereinafter ET-DSEL) is explained in the specific case.





8) COMMISSIONING OF AUTOMATED DEVICE (INITIAL SET-UP)

After completing the mechanical installation and performing electric connections, manually shift the door leaf for its entire stroke, to ensure that no friction appears on the movement.

SET-UP operation is compulsory to allow the operator electronic control unit to acquire stroke points.

When the set-up begins, the door must be closed and during the stroke learning cycle, no obstacle shall appear in the leaf movement area.

The NEXT 75 operator is equipped with a function allowing it to learn the position of the side wall during the initial set-up. This function is useful as it allows to store the wall position at the end of the opening stroke, and as a consequence to precisely set the point at which the tripping of the opening safety sensor causes the leaf to decelerate in the last few degrees of the opening stage.

It is important that you adjust the safety sensor detection field before starting the operator set-up cycle.

If NEXT 75 operator controls a single-leaf automatic door, dip 1 and 2 on SW1 dip-switch of L-NEXT logic board must be set on OFF. If two NEXT 75 operators must control a double-leaf automatic door, refer to "Double-leaf door set" paragraph..



Follow chapter 8.1 only if ET-DSEL digital programmer is new and powered for the first time. Follow chapter 8.2 if digital programmer has already been used before.

8.1) FIRST START OF ET-DSEL DIGITAL PROGRAMMER

Power the NEXT 75 operator by mains voltage, the control unit buzzer emits some quick, short beeps.

- Language selection is shown on the display of ET-DSEL digital programmer;
- use the F2 and 💥 buttons to move arrow to the desired language.
- Press EXIT button to exit "Language" section and enter "Serial communication setups" section, as described under para. 8.2.



8.2) SERIAL COMMUNICATION SETTINGS

Power the NEXT 75 operator by mains voltage, the control unit buzzer emits some quick, short beeps.

ET-DSEL programmer automatically detects the presence of operator electronic control unit (fig. A) and stores the board serial code L-NEXT (fig. B).

When acquisition of serial code is completed, the display must show the closed padlock symbol on letter M and the open padlock symbol on the ?, if a single NEXT 75 operator is connected (fig. C),

For a double-leaf swing door, refer to "Double-leaf door set" paragraph.

Press EXIT button to exit "Serial communication settings" section and enter the general programming menu.





8.3) INITIAL SET-UP

A-A-A-A"

From general programming menu, F1 button allows moving forward among menu symbols. Select INITIAL SET-UP symbol.

Give a quick pulse to ENTER 💥 button to enter the "Initial setup" section.

Type the 10-character technical password for access to set-up configuration.

display; repeat this operation for all the other characters required.

password typed is wrong, you return to general programming menu.





We recommend that you modify the default technical password. To this purpose please refer to the "Password management" paragraph.	
BEFORE STARTING THE SET-UP MOVE THE DOOR TO THE CLOSING POSITION.	ENNG DURING THE SET-UP CYCLE.
 SET-UP FULL: mandatory for the first installation of the automation. SET-UP PARTIAL: to repeat the learning of the leaves stroke in case the mechanical limit switch are moved, without changing the previously set functions. ATTENTION! The partial set-up does not work on a new automation at the first installation. In this case, if the Partial option is selected, the buzzer of the electronic control unit will warn of the error by emitting a continuous sound for 4 seconds. Press the F1 button to select the "FULL" set-up. 	SETUP MODE
In this section, F1 / F3 buttons allows selecting the function OFF / ON status, while 業 button allows moving to the following function. Press F2 button to return to previous function.	
Select the door type: single leaf OFF. (For double leaf refer to "Double-leaf door set" paragraph).	SINGLE / DOUBLE DOOR SELECTION OFF = SINGLE UNIT SOT ON = DOUBLE UNIT SOT ON = DOUBLE UNIT SETUP MOVE THE DOOR SETUP MOVE THE DOOR
Select ON if an electric lock is present.	
If the door is not equipped with an electric lock keep setting to OFF.	SO2 DOOR LOCKS EACH OFF TIME IT CLOSES. O DELAY TIME SET BY SOB POTENTIOMETER -P11- OFF EXIT
Only if S02 function has been set to ON If an electronic lock exists, select type: Impulsive OFF (electric lock or electric strike) or permanent ON (magnetic lock).	SOB ELECTROLOCK TYPE : ON ON MAGLOCK OFF SOB OFF ELECTRIC O STRIKE OFF EXIT OFF
BATTERY PACK	
OFF = NOT PRESENT ON = USED	SOM ON = USED OFF

Select ON only if a safety sensor on closing has been installed on input E.C. (terminal 7.



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Select ON only if a safety sensor on opening has been installed on input E.O. (terminal 6).	SOF OFF NOT PRESENT ON
Only if S05 function has been set to ON. Select ON if a safety sensor has been installed on closing and monitored (as required by standard EN 16005) to activate sensor test at the beginning of each cycle. Select OFF only if the safety sensor on closing has not been set up to be monitored. For more information, refer to "Safety sensors" paragraph.	SUP FOR CLOSING.
Only if S06 function has been set to ON Select ON if a safety sensor has been installed on opening and monitored (as required by standard EN 16005) to activate sensor test at the beginning of each cycle. Select OFF only if the safety sensor on opening has not been set up to be monitored. For more information, refer to "Safety sensors" paragraph.	SON TEST SAFETY SENSOR FOR OPENING. SOB OFF-TEST DISABLE ON-TEST ENABLE SON EXIT
If S07 and/or S08 functions are set to ON only. Select test logic status, used by operator control unit to monitor safety sensors. The setting depends on the characteristics of sensor installed. Select OFF when using "OA-EDGET" or "FLAT SCAN" type sensors;	SOB LOGIC LEVEL SETTING FOR SENSORS TEST:
Contact configuration on OPEN input between terminals 0-3 of NEXT -L75 control board. Select ON with normally open contact or when the OPEN input is not used. Select OFF when using a device with normally closed contact.	SOS CONTACT SELECTION: SOS CONTACT SELECTION: S10 ON N.O. OFF N.C. S11 NORMALLY CLOSED EXIT
Select of the work program selector. OFF: Manual selector or mechanical selector EV-MSEL. ON: Digital programmer ET-DSEL or T-NFC.	STID SELECTOR SELECTION: DN ON DIGITAL ON DIGITAL ON DIGITAL ON PROGRAMMER OFF MANUAL OR OK MECHANICAL SELECTOR OFF EXIT
The operator is ready for the set-up cycle. Exit the detection field of the opening safety sensor during the set-up, to allow the sensor	

to only detect the presence of any side wall at the end of the opening. Press the 3 (OK) button. The control unit buzzer emits 4 beeps and starts the opening cycle at slow speed. When the opening stroke is completed, a long beep indicates that the set-up has been successful. The door automatically closes again.

SOUND SET UP A 3 S Signa ΟK MEAN COMPLETED. $\mathbf{\nabla}$ EXIT

8.4) FUNCTIONAL TESTING

Select door automatic operation by program selector. Put program manual selector on status I, if used.

Refer to "Program selectors" paragraph describing the selector types provided for to select the automatic door operating mode.

To start an opening manoeuvre, give a pulse to PS1 button (Start) of control unit NEXT-L75 or engage door opening devices.

Ensure that door opening and closing cycle is properly performed and that pulse organs and safety sensors operate; to adjust sensor detection field, refer to the instructions delivered with the sensor.

The opening safety sensor detects the presence of any side wall at the end of the opening stroke thanks to the automatic learning function during the initial set-up.

Should you need to change the optical adjustment of the safety sensor after performing the initial set-up of the operator, you can manually change the opening safety sensor inhibition distance by editing the P03 parameter (see paragraph "Parameter setting").

Impact safety: ensure that stop and reverse of moving direction are performed if the leaf movement is hindered.

To set up the available functions, refer to "Functions setting" paragraph. To adjust the variable parameters, refer to "Parameters setting" section.

REPEATING THE INITIAL SET-UP

Set-up operation must be repeated if one of the following conditions varies:

leaf weight, leaf stroke.

In this case select the PARTIAL option from «SET-UP MODE» to perform only the leaves stroke learning without changing the current settings.

8.5) INPUTS DIAGNOSTICS

ET-DSEL programmer allows checking the inputs status to ensure proper operation of all devices connected with NEXT 75 automation. To enter "Inputs diagnostics" while the automatic door operating program is shown on display, keep **F2** button pressed for about 3 seconds.

M letter appears on top right.

The display shows the symbols of all operator inputs, with the relevant terminal number. If an input is used, the corresponding symbol lights up with an arrow on a side.

₽ ש 1	External radar
<u>ז</u> שי	Internal radar
<u>ت ا</u>	Ps1 (start button) or remote control RX1
<u>⊕!</u> ∎	OPEN
	Closing safety sensor
anna ⊮ [Opening safety sensor
AUX F	AUX 1 (it activates if the manual program selector is in position I)
AUX T	AUX 2 (it activates if the manual program selector is in position II)



9) PROGRAM SELECTORS

The program selector allows the door user to select the operating mode. The following can be used, according to the choice: manual selector integrated in NEXT 75 automation side, EV-MSEL key mechanical selector and ET-DSEL digital programmer or T-NFC digital selector. Each program selector is described in details below.

9.1) MANUAL PROGRAM SELECTOR

The 3-position manual program selector is the basic solution provided for on board operator. The operation of this selector is enabled by F01 function OFF (default preset).

Position I	 Bi-directional automatic program The door automatically opens when each opening control activates. 	
Position 0	 Free manual door The automatic operation is disabled and door can be manually open. 	
Position II if F06 function is set to OFF (default)	 Night lock program The door can only be open by OPEN input or radio control if radio receiver is installed. 	
Position II if F06 function is set to ON	= Open door program	

9.2) EV-MSEL MECHANICAL KEY SELECTOR

5-position key mechanical selector can be used as an alternative to the manual selector and its operation is enabled by F01 function OFF (default preset).



Disconnect manual selector wires from terminal board of NEXT-L75 control unit if EV-MSEL mechanical selector is installed.



ELECTRIC CONNECTIONS

Terminal 1 of EV-MSEL= to terminal 2 (Internal radar) of NEXT-L75 control unit. Terminal 2 of EV-MSEL= to terminal 0 (Common) of NEXT-L75 control unit. Terminal 3 of EV-MSEL= to terminal 5 (AUX 1) of NEXT-L75 control unit. Terminal 4 of EV-MSEL= to terminal 4 (AUX 2) of NEXT-L75 control unit.



For any check on proper connection and operation of key mechanical selector, enter inputs diagnostics (see par. 8.5) to ensure that different key positions correspond to activation of the following symbols:

$\mathbf{E} = \mathbf{W}_{\mathbf{E}}$ and $\mathbf{W}_{\mathbf{E}}$
🗘 = no active symbol
$1 = \mathbf{A} \mathbf{Y} \mathbf{g}$ and $\mathbf{A} \mathbf{Y} \mathbf{g}$
$\mathbf{\Theta} = \frac{\mathbf{\Theta} \mathbf{Y} \mathbf{r}}{\mathbf{r}}$

OPERATING MODE

Insert and rotate the key in EV-MSEL selector to select the program desired.

ני	Open door program
	The door stops in complete opening position.
ררה	Free manual door
Ľ	The automatic operation is disabled and door can be manually open.
	Bi-directional automatic program
	The door automatically opens when each opening control activates.
	Single-direction automatic program output only
Ľ	To exclude the incoming detection on external radar input
	Night lock program
	The door can only be open by OPEN input or radio control if radio receiver is installed.

The key can be taken out of the selector when in any position in order to prevent the work program from undesired changes.

9.3) ET-DSEL DIGITAL PROGRAMMER - USED AS PROGRAM SELECTOR

ET-DSEL digital programmer can be installed in the system and used by the user like a program selector, as an alternative to manual and EV-MSEL mechanical selector if you need a more complete tools in terms of functions and graphs.

To enable ET-DSEL operation like a program selector, set up F01 function ON (see "Functions setup" paragraph).



By pulse-pressing the button, choose the automatic door operating mode. Each time a button is pressed, it switches from a work program to the next one.

The operating programs to be selected by 500 button are described below.



Bi-directional automatic program The door automatically opens when each opening control activates.







Single-direction automatic program input only To exclude the outgoing detection on internal radar input.



Open door program The door stops in complete opening position.



Night lock program The door can only be open by OPEN input or radio control if radio receiver is installed.



Free manual door The automatic operation is disabled and door can be manually open.



Power warning light display

The symbol 2 indicates the presence of mains power voltage and the battery, if any, is operating.

- The symbol **m** indicates the absence of mains power voltage and operator activity is ensured by emergency battery, if any, which is in working order.
- The symbol 🖾 with mains power voltage indicates that the battery is damaged.
- In this case, the control unit buzzer emits a beep before each door opening for 10 cycles (if F10 function OFF), or the door opens and remains open (if F10 function ON).
- The symbol without mains power voltage indicates that the emergency battery is about to run out.

Operation of other buttons located on ET-DSEL program selector panel











*

Pedestrian opening, used in double-leaf door automated device only To activate pedestrian opening, press the 🗱 button. the symbol 💥 on the display indicates that the function is on.

In a double leaf door, the first leaf (Master) only opens if the opening command is given by internal or external radar inputs.

The pedestrian opening only operates in bi-directional, single-direction and open door automatic programs.

To deactivate pedestrian opening, press again the 🗱 button. For more information, refer to "Pedestrian opening" paragraph.

F2

Deactivation of virtual spring function (if F40 = OFF)

Give a pulse to F2 button to deactivate the virtual spring function activated by P22 potentiometer (see para. "Potentiometers setting"). Press F2 button again to activate virtual spring function. Symbol F2 on display goes off.

Deactivation of step-by-step operation (if F40 = ON)

Give a pulse to F2 button to deactivate the step-by-step operation previously activated by F18 function ON (see para. "Functions setting") and enable the door automatic closing. Press F2 button again to activate step-by-step operation. Symbol F2 on display goes off.

F1

Door opening command

Press F1 button to open the door, but only in bi-directional and single-direction programs (if F32 function OFF).

Press F1 button to open the door in all operating programs, both automatic and night lock (if F32 function ON).

F3

It is only used in one MASTER / SLAVE double-leaf door automated device

F3 button has no function on the main work program selection screen, it is only used to switch from MASTER to SLAVE and to check that communication between operators and ET-DSEL programmer is working properly.

Letter M is displayed on top right side when Master operator is selected, letter S appears when Slave operator is selected.

If the system is working properly, door working program is displayed both with M and S, in case of fail communication the message "NO COMUNICATION" is displayed for the non-working-properly operator.



SCHEDULED MAINTENANCE

If the display shows the message **"SCHEDULED MAINTENANCE**", contact the authorized service center to request maintenance on the system.



Battery supplied assembled in the plastic casing placed around the motor body to make the most of the internal spaces of the automation.

Plug-in connector for connecting the battery to the NEXT 75 control unit.

The battery charging and monitoring circuit is incorporated into the NEXT 75 electronic control unit.

Battery autonomy of about 1 hour in continuous operation and 3 hours in standby.

Connect the battery to connector J3 on control board NEXT-L75. To enable battery operation set function F07 = ON or SET S04 = ON from initial set-up.

The battery charger built-in in the control unit self-checks the battery charge level and displays a greenand a red led (see table "LED SIGNALLING")

Operation

The battery device trips in case of mains power failure, allowing the NEXT 75 operator to keep running.

The battery operating time depends on various factors, like the number of operations performed, the leaf weight, the connected external devices, etc...

The charged battery can supply energy for approximately 1 hour continuous door opening/closing cycles.



IMPORTANT!

TYPE BATTERY: NiMH, 19.2V - 600mAh

LED INDICATION

EVENTS SIGNALING	LED GREEN DL6	LED RED DL5
BATTERY DISCONNECTED	ON	ON
BATTERY CHARGING	FLASHING	OFF
BATTERY CHARGED WITH MAINS VOLTAGE	ON	OFF
BATTERY DISCHARGED	OFF	FLASHING
BATTERY CHARGED WITHOUT MAINS VOLTAGE	OFF	ON



- Periodically check battery efficiency
- To allow recharging, batteries must always be connected to the electronic control unit
- The equipment must be disconnected from the power supply when removing the batteries
- In case of replacement, always use genuine batteries
 Deplacement must be performed by gualified performed
- Replacement must be performed by qualified personnel.
 Remove batteries from the equipment before its disposed
- Remove batteries from the equipment before its disposal.
 Batteries contain polluting substances; therefore they must be disposed of in accordance with the provisions of local regulations.

11) GENERAL PROGRAMMING MENU

To enter the general programming menu while the automatic door operating program is shown on display, keep 🖘 button pressed for about 5 seconds.

The programming menu consists of different sub-menus divided by subject (Diagram 1).

Choose the section you wish to access by pressing the F1 >> button. The selected menu icon is highlighted and the section title appears at the top of the display.

To enter the selected sub-menu, give a quick pulse on ENTER 🗱 button.

To exit the general programming menu and return to the operating program view, press EXIT $\textcircled{ ext{style}}$.

DIAGRAM 1



• Refer to par. 8.3 when entering the initial set-up section.

• If entering the serial communication setting section please refer to para. 8.2

For the other sub-menus, refer to the following paragraph on the section you have had access to

12) FUNCTIONS AND SETTINGS

To enter, type 10-character technical password (for more information, refer to "Password management" paragraph)



The buttons in this sub-menu are used as follows:

- button F2 = to access the F function setting (see the "Function setting" paragraph);
- button # = to access the P parameter setting (see the "Parameter setting" paragraph);
- button F1 = issue the door opening command; button F3 = it is used only in case of double lea
 - = it is used only in case of double leaf door application to set up the parameters on Master or Slave operator; letter M or S displayed bottom right indicates which operator has been selected. Letter M will appear on display on top right position if the automation is single leaf
- button (ser) = to return to the general programming menu.

12.1) FUNCTION SETTING



In this section the display describes the purpose of the selected function;

the F1 button sets the function status to OFF;

the F3 button sets the function status to ON;

the F2 button allows to switch to the next function;

the 🔆 button allows to return to the previous function;

For information about the operation of each function, please refer to the "FUNCTION TABLE".

12.2) POTENTIOMETER SETTING



In this section the display describes the selected parameter type;

the F1 button decreases the set percentage value;

the F3 button increases the set percentage value;

the 🗱 button allows to switch to the next parameter;

the F2 button allows to return to the previous parameter.

For information about the operation of each parameter, please refer to the "POTENTIOMETER TABLE".

FUNCTIONS TABLE		 ¹ Function to be set in the "Initial set-up" menu of the digital programmer before starting the door. * Default setting of the function. * For double leaf swing door application. In the column Slave of the present spreadsheet, the functions marked with letter S, have to be separately configured on Slave operator. All other functions not marked with letter S, have to be set on Master operator and are common for both units. 	
FUNCTION	STATUS	EXPLANATION	"SLAVE
F01 ¹	OFF*	Choosing the program selector: manual built-in selector or mechanical key switch EV-MSEL	
	ON	Choosing the program selector: digital selector ET-DSEL or T-NFC	
F02 ¹	OFF	Electric lock deactivated	S
	ON	Electric lock activated. The electric lock is activated in all work programs of the door.	
F03 ¹ Function active if F02= ON	OFF	Impulsive functioning for electric lock. Please refer to the "Electric lock Application".	S
	ON	Permanent functioning for electric lock. Please refer to the "Electric lock Application".	
F04	OFF*	The electric lock output is activated in all work programs.	S
	ON	The electric lock output is activated only in the "night lock" work program.	
F05 Function active if F03= ON	OFF*	Electric lock release excluded in free manual door program. Please refer to the "Electric lock Application".	S
	ON	Electric lock activated after every closing of the door in free manual door program. Please refer to the "Electric lock Application".	
F06 Function active if F01= ON	OFF*	Operation mode for the manual built-in selector in position II = Night Lock program	
	ON	Operation mode for the manual built-in selector in position II = Open Door program	
F07 ¹	OFF*	Battery pack not installed	S
	ON	Battery pack BAT-NEXT installed	
F08	OFF*	Operation when powered by battery: if the mains power supply is off the door keeps working normally	
	ON	Operation when powered by battery: if the mains power supply is off the door opens and stays open in the automatic work programs	
F09	OFF*	Operation without mains power supply with battery getting depleted: the door works normally	
	ON	Operation without mains power supply with battery getting depleted: the door opens and stays open	
F10	OFF*	Battery monitoring: if the battery is low or damaged the control unit buzzer beeps before the door opens for ten cycles	
	ON	Battery monitoring: if the battery is low or damaged the door opens and stays open in automatic programs.	
F11 ¹	OFF	Closing safety sensor input inactive; when the safety sensor is not installed on the E.C. input	S
	ON	Closing safety sensor input active; closing safety sensor on E.C. input installed	
F12 ¹	OFF	Opening safety sensor input inactive; when the safety sensor is not installed on the E.O. input	S
	ON	Opening safety sensor input active; opening safety sensor on E.O. input installed	
F13 ¹ Function active if F11= ON	OFF	Test on closing safety sensors E.C. inactive; for sensors which are not pre-arranged for the monitoring	S
	ON	Test on closing safety sensors E.C. active; for sensors pre-arranged for automatic door monitoring by the operator (cat.2/pl.c). For further information please refer to the "Safety sensors" paragraph.	
F14 ¹ Function active if F12 = ON	OFF	Test on opening safety sensors E.O. inactive; for sensors which are not pre-arranged for the monitoring	S
	ON	Test on opening safety sensors E.O. active; for sensors pre-arranged for automatic door monitoring by the operator (cat.2/pl.c). For further information please refer to the "Safety sensors" paragraph.	

F15¹ Function active if F13 o F14= ON	OFF	Safety sensor test with logic level LOW. For further information please refer to the "Safety sensors" paragraph.	S
	ON	Safety sensor test with logic level HIGH. For further information please refer to the "Safety sensors" paragraph.	
F16	OFF*	Selecting the program "Night Lock" the door remains closed and can be opened just with the OPEN input or transmitter SPYCO with radio receiver N-RX.	
	ON	Selecting the program "Night Lock" the door opens and remains open for 10" before closing in order to grant escape from building.	
F17	OFF*	unction for disabled persons deactivated	
	ON	Function for disabled persons activated. Please refer to the "Disabled people courtesy function" paragraph.	
F18	OFF*	Function mode with automatic closure	
	ON	Step by step function: one OPEN command activates door opening while a second command is needed for door closure.	
F19 Function active if F18 = ON	OFF*	In the step by step function the door, when it is open, can be closed only with a closing command given by the OPEN input or by the transmitter SPYCO with N-RX radio receiver.	
	ON	In the step by step function the door, when it is open, automatically closes if the closing command is not given within 30 seconds.	
F20	OFF*	Standard function mode on inputs internal and external radar	
	ON	Step by step function mode with separate commands. The external radar input activates door opening whereas the internal radar input activates door closure. The OPEN input operate in standard mode.	
F21 ¹	OFF	OPEN input configuration: normally closed contact. When a device with N.C. contact is installed.	
	ON	OPEN input configuration: normally open contact. When not in use or if a device with N.O. contact is installed	
F22	OFF*	OPEN input is not enabled in the "Free manual door" work program.	
	ON	OPEN input is enabled also in the "Free manual door" work program in order to allow the automatic opening of the door.	
F23	OFF*	Constant pause time before automatic reclosing	
	ON	Automatic increase of the pause time if the door cannot close due to the high flow of people.	
F24	OFF*	The pause time set by potentiometer P04 is never reset.	
	ON	The pause time set by potentiometer P4 is reset to initial value if an open command is given when the door is open.	
F25	OFF*	In the event of a power failure, when mains power is supplied, the door remains in the position in which it is.	
	ON	In the event of a power failure, when the mains supply is supplied, the door slowly goes to closed position.	
F26	OFF*	Interlock function deactivated.	
	ON	Interlock function between two doors activated. The opening of a door is only possible if the other one is closed. Please refer to the "Interlock system" paragraph.	
F27 Function active if F26= ON	OFF*	Delayed door opening for 0,5" after opening command. Please refer to the "Interlock system" paragraph.	
	ON	Prompt door opening at opening command. Please refer to the "Interlock system" paragraph.	
F28 Function active if F26= ON	OFF*	The opening command is not stored in memory. Please refer to the "Interlock system" paragraph.	
	ON	In the interlock function, the opening command on the closed door is memorized and it will open as soon as the other door closes. Please refer to the "Interlock system" paragraph.	

F29 Function active if F26= ON	OFF*	Standard function mode for the electric lock in interlock system	
	ON	Electric lock deactivated if both doors are closed in automatic program modes. Please refer to the "Interlock system" \rightarrow Interlock application with electric-strike disabled on closed doors" paragraph.	
F30		Unused function	
F31	OFF*	The internal and external radars are not active during the closing operation in the "night lock" work program.	
	ON	The internal and external radars are active during the closing operation in the "Night Lock" work program, causing the door reopen.	
F32	OFF*	The F1 button of the ET-DSEL digital programmer or the B button of the T-NFC programmer controls door opening in automatic programs only.	
	ON	The F1 button of the ET-DSEL digital programmer or the B button of the T-NFC programmer controls door opening both in automatic programs and in night lock program.	
F33 ¹	OFF	Single leaf door (just on display; repeat initial set-up in order to change it)	
	ON	Double leaf door (just on display; repeat initial set-up in order to change it)	
F34 ¹	OFF	Master operator in double leaf door application (just on display; repeat initial set-up in order to change it)	
	ON	Slave operator in double leaf door application (just on display; repeat initial set-up in order to change it)	
F35	OFF*	For double leaf application: in case of power failure the two leaves starts simultaneously in the first opening phase.	
	ON	For double leaf application: in case of power failure the two leaves starts respecting the offset in the first opening phase.	
F36m Multiple selection function		Multiple selection function that allows to set the position of the manual or mechanical program selector in which to activate the pedestrian opening function of the master leaf in a double swing door.	
	A *	Pedestrian opening NOT enabled.	
	В	Pedestrian opening in "Free manual door" position.	
	C	Pedestrian opening NOT enabled.	
	D	Pedestrian opening in "Night lock" position.	
F38		Unused function	
F39	055*	Unused function	
F40	OFF*	spring function set by potentiometer P22.	
	ON	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON.	
F41m Multiple selection function	ON	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected \rightarrow F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded.	S
F41m Multiple selection function	ON A*	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes.	S
F41m Multiple selection function	ON A* B	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status.	S
F41m Multiple selection function	ON A* B C	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48.	S
F41m Multiple selection function	ON A* B C D	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48. The output is active in the automatic programs and deactivates in night lock.	S
F41m Multiple selection function	ON A* B C D E	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48. The output is active in the automatic programs and deactivates in night lock. Unused function	S
F41m Multiple selection function	ON A* B C D E F	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48. The output is active in the automatic programs and deactivates in night lock. Unused function Unused function	S
F41m Multiple selection function	ON A* B C D E F G	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48. The output is active in the automatic programs and deactivates in night lock. Unused function Unused function	S
F41m Multiple selection function	ON A* B C D E F G H	The F2 button of the ET-DSEL or T-NFC digital programmer deactivates the step by step function set by function F18 = ON. Multiple selection function that allows to set the operating mode of the open collector output between terminal S-24. ATTENTION! If the interlock function is selected → F26 = ON the open collector output works as an interlock signal and all the set functions by F41m are automatically excluded. Door status. The output activates when the door opens and deactivates when the door closes. Battery status. The activation of the output signals the damaged battery status. Maintenance signal. The output activates when the door reaches the number of cycles set in the maintenance plan by potentiometer P48. The output is active in the automatic programs and deactivates in night lock. Unused function Unused function Unused function	S

F45m		Unused function
F48		Unused function
F49		Unused function
F50		Unused function
F51		Unused function
F52		Unused function
F53		Unused function
F54		Unused function
F55		Unused function
F56		Unused function
F57		Unused function
F58		Unused function
F59		Unused function
F60		Unused function
F61		Unused function
F62		Unused function
F63		Unused function
F64		Unused function
F65		Unused function
F66		Unused function
F67		Unused function
F68		Unused function
F69		Unused function
F70		Unused function
F71		Unused function
F72		Unused function
F73		Unused function
F74		Unused function
F75		Unused function
F76		Unused function
F77		Unused function
F78		Unused function
F79		Unused function
F80	OFF*	Cyclic function inactive
	ON	Cyclic function active. It activates the continuous door opening and closing cycle; it is only used for operation or durability tests.

POTENTIOMETERS TABLE	" For double leaf swing door application. In the column Slave of the present table, the functions marke letter S, have to be separately configured on Slave operator. All other functions not marked with letter S, have to be set on Master operator and are common for bot	ed with h units.
POTENTIOMETERS	DESCRIPTION	"SLAVE
P01	Opening speed Increase this value for a faster door opening speed.	S
P02	Closing speed Increase this value for a faster door closing speed.	S
P03	Safety sensor, slow motion area in opening When the door leaf at the end of the opening is close to the wall, the safety sensor in opening can detect it and stop the door. To prevent an uncomplete opening cycle the door can moving at low speed when the sensor detect the wall. The area from where the door reacts with a low speed instead of stop depend from this potentiometer. If P03=0 the door stop ever, increasing the value the door use low speed to approach the end of the opening. At maximum value the area start from about 45° from the end of opening.	S
P04	Pause time in the automatic programs It can be regulated from 0 to 60 seconds. It is the time in which the door remains open before closing.	
P05 Potentiometer active if F17 = ON	Pause time at open door in the disabled function It can be regulated from 0 to 60 seconds. It is the time in which the door stays open before the automatic closing when the opening command is given by the disabled per- son through the button connected to the OPEN input or by the transmitter SPYCO with N-RX radio receiver.	
P06	Closing voltage at door closed Increase this value to keep the motor thrust active with door close.	S
P07	"Wind stop function at door closed At 0% (default value) the function is disabled. Increasing this value the motor is applying an opposite force to wind strength in order to keep the door leaf closed."	S
P08	Push & go At 0% (default value) the function is disabled. Distance from where a door pushed by hand start to open automatically.Setting range between 2° and 15°.	S
P09 Potentiometer active if se F02 = ON e F03= OFF	Final thrust for electric lock coupling Increase this value for a higher leaf speed in the last closing phase so that an easier coupling to electric lock is enabled.	S
P10 Potentiometer active if F02 = ON	Closing stroke to release electric lock At 0% (default value) the function is disabled. Increase this value to adjust the closing stroke power of 0,5 second closing before opening cycle. Used to easily release the electric lock.	S
P11 Potenziometro attivo se F02 = ON	Opening delay at electric lock activation At 0% (default value) the function is disabled. Increase this value to increase the delay leaf opening in respect of the electric lock activation (4 seconds at 100%).	S
P12 Potenziometro attivo se F02 = ON, F03= OFF, F05 = ON	Electric lock activation time when selecting the "free manual free" program At 100% the electric lock is always activated.	S
P13	Slowing down distance in opening Distance from where the leaf start the low speed in opening. Increase this value to adjust door leaf slowing distance.	S
P14	Slowing down distance in closing Distance from where the leaf start the low speed in closing. Increase this value to adjust door leaf slowing distance.	S
P15	Motor thrust power in closing Increase this value for higher motor thrust power during closing phase.	S
P16	Motor thrust time during end closing Increase this value to adjust time during which the motor thrust is active in the last closing phase, thus overcoming any friction and achieving complete door closure. At value 100% time would be 1,5".	S

P17	Motor thrust power in opening Increase this value for higher motor thrust power during opening cycle useful in the presence of obstacles or friction of the door.	S
P18	Distance between leaf physical end stop and opening end-running Increase this value to increase the gap between the physical end stop on the floor and the position of the leaf with the door full open. This setting can be adjusted for about 5°. At 0% push & close disable.	S
P19	Push & close If the door is manually pushed to close direction, an automatic closure is activated. Increase this value to adjust closing corner needed for door leaf to start automatic closing. Setting range between 2° and 15°.	S
P20	Wind stop at door open Increase this value to achieve a higher opposite force to wind direction in order to keep door open.	S
P21	Opening acceleration ramp Increase this value for higher acceleration during opening cycle.	S
P22	Virtual spring for door closing Closing the door after an opening by hand. At value = 00% the function is disabled and the door does not close after an opening by hand. Setting the value = 01% the door closes with minimum force. Increase the value for higher force during reclosing.	S
P23 Potentiometer active if the potentiometer P22 is at 01% or higher	Assisted closing virtual spring Increasing this value increases the force when the door starts closing after a manual push opening, in all those situations where the virtual spring power is not enough to start the reclosing cycle.	S
P24	Distance from the final closing stop where the door reopens if an obstacle is detected during the closing cycle Increasing the value increases the degrees from the final closing stop where the closing movement is stopped without inversion of the movement in case of obstacle detection.	S
P25	Breaking ramp at the end of opening upon a manual push Increasing the value a leaf breaking is achieved.	S
P26	Distance from opening end run in which the door is breaking upon a manual push Increasing the value a higher distance from opening end run is achieved. Upon a manual push the door leaf is breaking at the adjusted distance.	S
P27	Leaf braking intensity when the opening safety sensor detects an obstacle Increasing the value reduces the braking distance.	S
P28 Potentiometer active if the function F26= ON	Deactivation time for Interlock system in case that one of the door cannot close properly Please refer to the "Interlock system" paragraph. At 0% (default value) the function is disabled. Time after which the interlock is disabled automatically if the door that is open does not close due to the high flow of people. In this case, if the internal radar of the se- cond door is activated by people in the space between the two doors, the second door opens allowing the passage of the people. At 01% the interlock deactivation time and the consequent opening of the second door is 10 seconds. At 50% the interlock deactivation time is 60 seconds, at 100% the interlock deactiva- tion time is 120 seconds.	
P29 Potentiometer active if the potentiometer P22 is at 01% value or higher	Pause time before closing the door in the virtual spring function after a manual opening If the virtual spring function is active, this potentiometer adjusts the waiting time before the door closes after it has been opened with a manual push. Pause time can be regu- lated from 1 to 6 seconds	S
P30	Leaf opening delay For double leaf application. Increase this value to adjust opening delay between Slave and Master unit. This setting is necessary in case of overlapping leaves. At minimum value 0% both leaves start opening at the same time.	

P31	Leaf closing delay For double leaf application. Increase this value to adjust closing delay between Master and Slave unit. This setting is necessary in case of overlapping leaves. At minimum value 0% both leaves start closing at the same time.	
P32	Unused potentiometer	
P33	Unused potentiometer	
P34	Unused potentiometer	
P35	Unused potentiometer	
P36	Unused potentiometer	
P37	Unused potentiometer	
P38	Unused potentiometer	
P39	Unused potentiometer	
P40	Unused potentiometer	
P41	Unused potentiometer	
P42	Unused potentiometer	
P43	Opening deceleration ramp Increasing the value moves the deceleration of the wing towards the last degrees of the opening cycle.	S
P44	Leaf braking intensity at the end of opening Increasing the value increases the braking force of the wing at the end of the opening cycle.	S
P45	Unused potentiometer	
P46	Unused potentiometer	
P47	Unused potentiometer	
P48	SCHEDULED MAINTENANCE This parameter allows you to select the number of cycles of opening/closing after which the display of the digital programmer show the message "SCHEDULED MAINTENANCE ". The maintenance signal can also be available on the open collector output between the S-24 terminals of the electronic control unit if the operating mode C is selected by function F41m. OFF (default), the message is not displayed. Select the number of cycles in dependence on the operations of the door and the conditions of use: 8K (8000 cycles), 16K (16.000 cycles), 32K (32.000 cycles), 64K (64.000 cycles), 128K (128.000 cycles), 256K (256.000 cycles), 512K (512.000 cycles).	
P49	Unused potentiometer	
P50	Unused potentiometer	



- Use the F2 and 🗱 buttons to move arrow to the desired language.
- Press EXIT (SET) button to return to general programming menu.

14) PASSWORD MANAGEMENT

$\mathbf{\wedge}$	PASSWORD MAN	AGEMENT
	-PRIMARY PASSWO	DRD
آ ¢	- TEMPORARY PAS:	SWORD
⊳	-TECHNIQUE PAS	SWORD
⊳	-PASSWORD ON∕C)FF
\mathbf{v}	EXIT	OK

This section shows three types of password.

a) TECHNICAL PASSWORD (for technical personnel in charge of installation and maintenance)

It is the 10-character password of the installer who starts the system. Using the technical password is compulsory to prevent unauthorized persons from having access to general programming menu sections concerning parameters and functions setting, initial set-up and maintenance area. Default preset technical password is "A-A-A-A-A-A-A-A-A.".

WARNING!

It is recommended to change the default technical password and be very careful not to forget it.

b) PRIMARY PASSWORD (for the system's owner-user)

It is a 5-character password used by the user to prevent unauthorized persons from having access to ET-DSEL programmer and change the work program.

Using a primary password is optional and must be enabled by system's owner.

Default preset primary password is "A-A-A-A-A".

WARNING!

When enabling the password, be careful not to forget the access combination.

c) TEMPORARY PASSWORD (for user)

It is a 5-character password that the system's owner may divulge to persons to be authorized to use ET-DSEL programmer. The service password only allows changing the automatic door work program. Default preset service password is "A-A-A-A". To change the service password, it is necessary to have access by primary password.

Use the 💥 button to move the selection arrow downward and the F2 button to move the arrow upward.

14.1) HOW TO CHANGE THE TECHNICAL PASSWORD

•

- Select "TECHNICAL PASSWORD"
- Press OK (F1) button.

C ACTUAL D PASSWORD D PASSWORD







- Type the default preset technical password "A-A-A-A-A-A-A-A" by pressing 10 times on A button.
 - Type the new technical password, selecting a combination of 10 characters from the letters A-B-C-D.
- It is required to repeat the new password, so type the previous combination again.
- If the password typed is correct, "PASSWORD OK" is shown on display for one second and the general programming menu is restored.

From this moment on, when having access to general programming to enter initial set-up, functions and adjustments, settings of serial communication and maintenance section, the new stored password needs to be typed. The password is not required afterwards, when switching sections without exiting the general programming menu. If the password typed is not correct, "PASSWORD ERROR" is shown on display and the general programming menu is restored.

14.2) HOW TO CHANGE THE PRIMARY PASSWORD

- Select "PRIMARY PASSWORD"
- Press OK (F1) button.



C NEW D PASSWORD D PASSWORD A EXIT B Type the default preset primary password "A-A-A-A" by pressing 5 times on A button.

(If the primary password is not the default password as it had already been changed before, type the currently-used primary password).

• Type the new primary password, selecting a combination of 5 characters from the letters A-B-C-D.



- It is required to repeat the new password, so type the previous combination again.
- If the typed password is correct the "PASSWORD OK" message appears on the display for one second, then the system switches back to the PASSWORD MANAGEMENT section; press the EXIT (sec) button to return to the general programming menu
- If the typed password doesn't match the previous one, the PASSWORD ERROR message appears on the display; the system will switch back to the PASSWORD MANAGEMENT section and the user will have to repeat the procedure.

14.3) HOW TO CHANGE THE SERVICE PASSWORD

- Select "SERVICE PASSWORD".
- Press OK (F1) button.



Type the primary password.



諁

Ê

Ê

EXIT

EPEAT NEW Password

PASSWORD OK!

EXIT

C REPEAT NEW D PASSWORD D

D

Type the new service password, selecting a combination of 5 characters from the letters A-B-C-D.

- It is required to repeat the new password, so type the previous combination again.
- If the password typed is correct, "PASSWORD OK" is shown on display for one second and the system returns to the PASSWORD MANAGEMENT section.

Press the EXIT (button to return to general programming menu.

If the typed password doesn't match the previous one, the PASSWORD ERROR message appears on the display; the system will switch back to the PASSWORD MANAGEMENT section and the user will have to repeat the procedure.

14.4) ENABLING USER PASSWORD USAGE (primary and service)

- Select "PASSWORD ON / OFF"
- Press OK (F1) button.



EXIT

Type the primary password.

- Press the ON ^{*} button to enable the usage of user passwords and return to the PASSWORD MANAGEMENT menu. To return to the work program view press the EXIT ^{*} button twice.
- From this moment on, whenever the user wants to access to ET-DSEL digital programmer to change the automatic door work program, the primary or service password must be typed.



ΠN

When the user decides to enable the password usage, it is recommended to change the combination of both primary and service password.

14.5) DISABLING USER PASSWORD USAGE

• From the PASSWORD MANAGEMENT section, select "PASSWORD ON / OFF"

ΠF

• Press OK (F1) button.



• Type the primary password.

Press OFF (F1) button to disable user password usage. To return to the general programming menu press the EXIT button twice.
 From this moment on, the access to ET-DSEL digital programmer like program selector is free.

15) SELECTOR OPTIONS

In the "Selector options" section is possible to choose which work programs to show on the digital programmer's display, so that the end user can scroll and select only those he want to use.

"Bi-directional program"



The buttons in this sub-menu are used as follows:

The * button allows to switch to the next function.

The F2 button allows to return to the previous function.

The F1 button sets the function status to OFF.

The F3 button sets the function status to ON.

"Exit only program"

"Entry only program"

"Door open program"

"Night lock program"

"Free manual door program"

"Pedestrian opening for double swing door"

"F2 button"



16) INFORMATION AND EVENTS MEMORY

ET-DSEL digital programmer allows displaying information on automation and accessing to events memory, where fault errors are stored.

After displaying the automatic door work program, press 🗱 button for 5" to enter the information area (Diagram 2).

The buttons inside the information area are used as follows:

- v 🗱 button allows forwarding to the following information or event in events memory.
- ^ F2 button allows forwarding to the following information or event in events memory.
- F3 button is only used with two-leaf swing door and the symbol on the top right side of display shows M if Master operator information is displayed, or S if Slave operator is involved.
- Every touch on **F3** button allows shifting from M to S and vice versa. In case of single-leaf automation, letter M is shown on the top right side of display.
- F1 button allows shifting to events memory to display error messages and return to information area by pressing it again
- EXIT sty button allows returning to main view of door work program.

DIAGRAM 2



I1, I2, ... = INFORMATION AREA E1, E2, ... = MEMORY EVENTS

****5**



The diagram shows the path for access to information and events memory display; texts in figures relate to the memory cells that appear on the display in the left side when accessing the display of information or errors.

Refer to the following tables for the list of information and error messages.

INFORMATION AREA

NUMBER	INFORMATION	MEANING
11	Serial number	It identifies the NEXT-L75 control unit serial code.
12	Partial counter	It displays the door opening/closing cycles which have been carried out since the latest maintenance intervention. This counter must be reset by the person in charge of maintenance after each intervention (please refer to the "Maintenance" paragraph).
13	Total cycles	It displays the door opening/closing cycles which have been carried out since the first start-up of the operator.
14	A microcontroller version	It displays the software release of the NEXT-L75 control unit A microcontroller.
15	B microcontroller version	It displays the software release of the NEXT-L75 control unit B microcontroller.
16	Identification number	Identification number including data for manufacturer use



The events memory stores the last 5 error messages in chronological order.

When all the 5 memory cells are full of messages, the following event stored shall be located in E1 cell, the other memory events are shifted by one position and the event in E5 cell shall be deleted.

The events memory stores messages, divided into warnings and errors.

Stored errors are signalled by displaying the () symbol directly from the main screen of the work program; access the events memory to show the relevant message.

The warnings stored are not shown in the main screen of work program, but only stored in events memory.

EVENT MEMORY

Massages which may be displayed in cells E1 through E5

ERROR CODE	SYMBOL	MESSAGE ON DISPLAY	MEANING	ACTION
01	\triangle	OBSTACLE in OPENING	The door has come into contact with an obstacle during opening; this caused the motiondirectiontobereversed.	If the problem persists, remove the obstacle or check that the leaf slides properly.
02		OBSTACLE in CLOSING	The door has come into contact with an obstacle while closing; this caused the motiondirectiontobereversed.	If the problem persists, remove the obstacle or check that the leaf slides properly.
03	\triangle	RESET 4 OBSTACLE in CLOSING	If, during closing, the door detect an obstacle at the same point for 4 consecutive times, a reset occurs with subsequent opening at slow speed.	Remove the obstacle that prevents the complete closure of the door.
35	()	INITIAL SETTING ERROR	The operator has not managed to completetheinitialset-up.	Check that the leaf slides properly and that there are no obstacles along the path it follows; also check that motor and encoder are connected, then repeat the set-up attempt.
36	(!)	ENCODER OR MOTOR ERROR	Signals from the encoder are not detected.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. Check that the motor runs, that the motor connector are properly plugged in and that the motor cable is not damaged.
37	()	OPENING SAFETY SENSOR ERROR	Failed opening safety sensor test.	Check that the test settings and parameters are correct, that the test has also be enabled on the safety sensor and that the electrical connections between sensor and control unit are correct.
39	(!)	CLOSING SAFETY SENSOR ERROR	Failed closing safety sensor test.	Check that the test settings and parameters are correct, that the test has also be enabled on the safety sensor and that the electrical connections between sensor and control unit are correct.
42	()	FAULT BATTERY	The system signals a damage to the battery.	During operation the battery is constantly monitored. Should the system signal any damage to it, check that the battery and the battery charger board are working properly.
43	(!)	GENERAL ERROR SLAVE	A fault is present on the slave operator. (with double door only)	Access memory events on the slave operator and check what type of problem is displayed.
44	(!)	EEPROM REGISTER FAULT	Failed internal memory register test.	You need to turn the main 230V power supply OFF and then ON again after a few seconds. If the problem persists it is a defect on the control unit.
45	(!)	ERROR COMMUNICATION MASTER-SLAVE	The communication line between master and slave is missing. (with double door only)	Check that the WR5MS cable is connected between master and slave and that the configuration setting for double swing unit is correct.

17) MAINTENANCE

To enter, type the 10-character technical password (for more information, refer to "Password management" paragraph).



This section is only accessed to reset any error existing in the event memory and the partial counter of the door opening/closing cycles and to cancel the initial set-up previously saved during installation.

The event memory and partial counter reset must be performed by specialized personnel only during routine maintenance, after performing all system operation checks.

The buttons in this section are used as follows:

- The v button allows to move forward in the next selection.
- The ^ F2 button allows to return to the previous selection.
- F1 (OK) button allows to confirm the selected operation.
- F3 buttón is only used with two-leaf swing door and the symbol on the top right side of display shows M if reset operations are relevant to Master operator, or S if Slave operator is involved.

Every touch on **F3** button allows shifting from M to S and vice versa. In case of single-leaf automation, letter M is shown on the top right side of display.

The GENERAL RESET returns the electronic control unit to the factory settings.

17.1) PLUG and PLAY

The PLUG and PLAY option allows you to configure the desired functions and parameters of the automatic door directly in the factory, before sending the automation to the site for installation.

To adjust the functions and parameters, refer to the paragraph "Functions and Settings".

After selecting the desired functions, enter in the "SERVICE" section of digital programmer ET-DSEL described in this paragraph, select the "PLUG and PLAY" option with the arrow and press the F1 (OK) button. The buzzer of the electronic control unit emits 5 beeps.

Disconnect the power to the automation.

Once the automatic door has been installed, to perform the initial set-up follow the steps below:

a) MOVE THE DOOR TO THE CLOSING POSITION.

- THE AUTOMATION WILL DETECT AUTOMATICALLY THE CORRECT DIRECTION OF OPENNG DURING THE SET-UP CYCLE. b) Power the NEXT 75 automation by mains voltage, the control unit buzzer emits 5 short beeps.
- c) Press the PS1 button (START) on the electronic control unit to start the initial set-up cycle, or alternatively, enter the "SET-UP" section of the general programming menu and select the "PARTIAL" option from the set-up mode.
- d) During the set-up cycle the door moves slowly from closed position to the fully open position to learning the leaf stroke.
- At the end of the cycle a prolonged BEEP stands for the set-up to be completed.
- e) Now the door works according to the preset functions.

18) ELECTRIC LOCK APPLICATION

To block the door in closing position, NEXT 75 automation is ready to drive an electric strike, an electric lock or an magnetic lock.

18.1) ELECTRIC LOCK / ELECTRIC STRIKE

Functions settings to activate electric lock:

- F02 = ON to activate electric lock output.
- F03 = OFF to enable impulsive driving.
- F05 = ON

If automatic release of electric lock is required when door is closed, with the work program mode set to "Manual", so to predispose door to be opened manually.



• P09

Adjust the speed of the door in the last degrees of the closing stroke to facilitate electric lock coupling. **P10**

Power during the 0,5 seconds of stroke on closing before opening to release electric lock.

At 0% value the function is disabled, between 01 to 100% the power increase proportionally.

• P11

Delay between electric lock and motor activation in opening.

At 0% value the function is disabled, between 01 to 100% the power increase proportionally until 4 seconds.

18.2) MAGNETIC LOCK

Functions settings to activate magnetic lock:

- F02 = ON to activate electric lock output.
- F03 = ON to enable permanent driving, that keep magnetic lock powered with closed door.
- **F04 = OFF** the magnetic lock is activated when the door is closed in all work programs.
- F04 = ON the magnetic lock is activated when the door is closed only in the night lock work program.

In the working program "Manual" the magnetic lock isn't powered with door closed, so to move door manually.

Activating "Push & Go" function (P08 parameter), the magnetic lock isn't powered with door closed in the automatics working program to allow manually opening.

It work only in the "Night lock" program.



19) DOUBLE LEAF DOOR SET

To manage the operation of a swing door with two leaf two operators is needed, one must be configured as Master and the other must be configured as a Slave.

In the case of overlapping leaf, the operator applied to the door leaf that overlap the other (the one that opens first) must be configured as Master.



When double swing door with overlapped leaf is used as escape route too, the installer must check that force required to open the door manually with the slave operator 's leaf (with Master operator's leaf overlapped) not exceed 150 N, measured at the leading edge at right angles to the door leaf and at a height of 1000 +/- 10 mm. In case of force over 150 N only the leaf of the Master operator must be use as escape route and consequently the identification symbol must be put just on this leaf.»

19.1) ELECTRICAL WIRING FOR A DOUBLE LEAF DOOR SET

Make the electrical connections at the operators (see Section "Electrical connections"), taking in to account that all the devices used to open the door, the program switch and the electric lock must be connected to the Master operator.

Safety sensors installed on the master leaf must be connected to the operator Master, safety sensors installed on the slave leaf must be connected to the Slave operator.

If the door has a double electric lock to lock each door individually, connect the electric lock that blocking the slave door at the slave operator.



Master and Slave operators must be connected together with the WR5MS wiring cable.

Connect the two terminals of the cable to connector J7 on the NEXT-L75 logic card.

The digital programmer ET-DSEL or T-NFC must be connected to the Master operator.



19.2) DOOR SET UP

After completing the mechanical installation and after that electrical connections are made, manually check that the movement of both leaves is friction-free for all the stroke.

Before power up the operator set the switch SW1 on the logic board NEXT-L75 as indicated on the following table.

	SW1 DIP 1	SW1 DIP 2
NEXT 75 AUTOMATION MASTER	OFF	OFF
NEXT 75 AUTOMATION SLAVE	OFF	ON

Follow now the next steps to complete the operator set up.

- 1. Turn on main power supply on both operators.
- 2. If ET-DSEL digital programmer is new and powered for the first time, you will be required to choose your preferred language as specified in paragraph 8.1, then you will automatically enter the "Serial communication setting"...

3. SERIAL COMMUNICATION SETTING

The programmer ET-DSEL recognizes the presence of the two operators in the system (Fig. A) and acquires automatically the serial number of the logic boards NEXT-L75 (fig.B).

At the end of the acquisition of the logic boards serial numbers, the display will show the symbol closed padlock on the icons with letters M and S (fig. C) and the programmer ET-DSEL will be able to manage both master and slave operators.







fig. A

Premere il pulsante EXIT (SET) per uscire dalla sezione "Impostazioni comunicazione seriale" e tornare nel menù di programmazione generale.

4. INITIAL SET-UP

From the general programming menu, enter in the "INITIAL SET UP" section (as indicated in par.11). Enter the 10 digits of the technique password to access the configuration set-up. (for more information on using technique password, see the par. "Password management" 14 e 14.1).

BEFORE STARTING THE SET-UP MOVE THE DOOR TO THE CLOSING POSITION. THE AUTOMATION WILL DETECT AUTOMATICALLY THE CORRECT DIRECTION OF OPENING DURING THE SET-UP CYCLE.

SET-UP FULL: SET-UP PARTIA	 mandatory for the first installation of the automation. L: to repeat the learning of the leaves stroke in case the mechanical limit switch are moved, without changing the previously set functions. 	
ATTENTION!	The partial set-up does not work on a new automation at the first installation. In this case, if the Partial option is selected, the buzzer of the electronic control unit will warn of the error by emitting a continuous sound for 4 seconds. Press the F1 button to select the "FULL" set-up.	MODE

LE / DOUBLE DOOR $\widehat{}$ ELECTION F = SINGLE UNIT = DOUBLE UNIT ΟN Set function S01 ON = double leaf door. BEFORE STARTING THE SETUP MOVE THE DOOR IN CLOSING POSITION. Θ DFF \sim EXIT \sim ELECTRIC LOCK FUNCTION. DN 50 1 Select ON if an electric lock is present. DOOR LOCKS EACH OFF S02 TIME IT CLOSES. DELAY TIME SET BY റ If the door is not equipped with an electric lock keep setting to OFF. POTENTIOMETER DFF EXIT ELECTROLOCK TYPE : DN **ON-- MAGLOCK** Only if S02 function has been set to ON MFR If an electronic lock exists, select type: S03 OFF-- ELECTRIC \cap Impulsive OFF (electric lock or electric strike) or permanent ON (magnetic lock). STRIKE DEE εп $\mathbf{\nabla}$ EXIT \sim

> SOU BATTERY PACK OFF = NOT PRESENT SOU ON = USED SOUS EXIT

BATTERY PACK

OFF = NOT PRESENT ON = USED

Select ON only if a safety sensor on closing has been installed on input E.C. (terminal 7).	SOM SAFETY SENSOR FOR CLOSING :
Selecting this function is valid for both Master and Slave operators.	SOS OFF NOT PRESENT ON ON USED SOB EXIT
Select ON only if a safety sensor on closing has been installed on input E.O. (terminal 6).	SAFETY SENSOR FOR
Selecting this function is valid for both Master and Slave operators.	SOG OFF NOT PRESENT ON SOG OFF USED SOT OFF EXIT
Only if S05 function has been set to ON. Select ON if a safety sensor has been installed on closing and monitored (as required by standard EN 16005) to activate sensor test at the beginning of each cycle. Select OFF only if the safety sensor on closing has not been set up to be monitored. For more information, refer to "Safety sensors" paragraph.	SOF CLOSING. FOR CLOSING. SO7 OFF-TEST DISABLE ON-TEST ENABLE SOB EXIT
Only if S06 function has been set to ON Select ON if a safety sensor has been installed on opening and monitored (as required by standard EN 16005) to activate sensor test at the beginning of each cycle. Select OFF only if the safety sensor on closing has not been set up to be monitored. For more information, refer to "Safety sensors" paragraph.	SOB OFF-TEST DISABLE ON SOB OFF-TEST DISABLE ON SOB ON-TEST ENABLE OFF EXIT
If S07 and/or S08 functions are set to ON only. Select test logic status, used by operator control unit to monitor safety sensors. The setting depends on the characteristics of sensor installed. Select OFF when using "OA-EDGET" or "FLAT SCAN" type sensors.	SOU OFF = TEST LEVEL SETTING OFF FOR SENSORS TEST: ON SOU OFF = TEST LEVEL LOW OFF RECOMMENDED SETTING O S ID ON = TEST LEVEL HIGH OFF EXIT
Contact configuration on OPEN input between terminals 0-3 of NEXT -L75 control board. Select ON with normally open contact or when the OPEN input is not used. Select OFF when using a device with normally closed contact.	SID OPEN INPUT SOD CONTACT SELECTION: NORMALLY OPEN SID NORMALLY OPEN OFF N.C. SII NORMALLY CLOSED EXIT
Select of the work program selector.	SELECTOR SELECTION:
OFF: Manual selector or mechanical selector EV-MSEL.	ON DIGITAL
ON: Digital programmer ET-DSEL or T-NFC.	OFF MANUAL OR OK MECHANICAL SELECTOR OFF EXIT
 The automations are ready to perform the set-up cycle. 	OPERATOR READY TO SET UP. PRESS -OK- TO START.
Press the button 🏶 (OK) to start the set-up cycle.	

5. SET-UP CYCLE

- The Master operator starts opening at slow speed after 4 beeps of start signal. At the end of the opening cycle, a prolonged 3 seconds beep, will signal the end of the Master operator set-up. The Master operator leaf remains opened to permit the set-up of the slave operator.
- The Slave operator starts opening at slow speed after 4 beeps of start signal.
- At the end of the opening cycle, a prolonged 3 seconds beep, will signal the end of the Slave operator set-up.
- The set-up is now completed, the closing cycle start automatically providing to close as first the slave operator and then after a delay time the master operator.

19.3) FUNCTIONAL TESTING

Select the automatic operation of the door using the program selector.

If you use the manual switch, set the program at state I.

Refer to par. "Program Selectors " that describe the types of selectors available to set the operating mode of the automatic doors. To start an opening cycle give an impulse by the push-button PS1 on the control unit NEXT-L75 of the Master operator, or operate the other opening control devices.

Verify that opening and closing cycle takes place correctly.

During the opening cycle the Slave leaf start with a predetermined delay with respect to Master leaf, as well as in the closing cycle is that the Master leaf that start with a predetermined delay with respect to Slave leaf.

The delay between the leaves at the start is crucial to avoid that it can come across each other.

To change the preset delay door go to "Switch and potentiometers" and set:

on the parameter P30 the desired value of delay in opening;

on the parameter P31 the desired value of delay in closing (see par. 12.2 "Potentiometers setting").

Verify that the input device and safety sensors are functioning; to adjust the detection range of the sensors, refer to the instructions supplied with the sensor.

The detection of the opening safety sensor due to the arrest of the movement only of the leaf on which it is installed.

The detection of the closing safety sensor causes the inversion of the movement in opening of both doors.

Safety in case of impact: verify that opposing an obstacle to the movement of a door, the operator stop and reverse the direction of travel of both doors

Every time, after powering the system, the first cycle of opening occurs at slow speed and can be selected with the function F35 if the leafs starts together, or starts respecting the leaf delay.

F35 = OFF in the first cycle of opening the doors start together.

F35 = ON in the first cycle of opening the doors start, respecting the leaf delay.

To set functions available see par. "Functions Setting". To adjust potentiometers see par. "Potentiometers Setting".



The operation of set-up must be repeated in the case of variation of one of the following conditions: weight of the door, opening angle of the leaf, replacement of the logic board NEXT-L75. In this case, select the PARTIAL option from "Set-up mode" to execute only the travel of the leaves without changing the current settings.

19.4) PEDESTRIAN OPENING

With a double door it's possible to select the pedestrian opening, in which only Master operator open.

• If is installed the program selector ET-DSEL or T-NFC (F01 = ON), press the push-button 🔅 to activate the pedestrian opening.



• If is installed the manual selector switch or the mechanical key EV-MSEL (F01 = OFF), in order to activate the pedestrian opening is necessary to set the F36m.

Then you have to choose what position on the selector must be enabled pedestrian opening:

- F36 = B: apertura parziale in posizione 0 nel selettore manuale di programma;
 - apertura parziale in posizione 🟥 nel selettore meccanico EV-MSEL.

F36 = D: apertura parziale in posizione II nel selettore manuale di programma; apertura parziale in posizione 👩 nel selettore meccanico EV-MSEL.

PEDESTRIAN OPENING WORKING MODE

Any opening activation via internal and external radars inputs and with the push push & go actuate partial opening of the door, then only the leaf Master operate. Any opening activation via OPEN input cause the complete opening of both doors.

19.5) CONSIDERATION ON THE USE OF ET-DSEL PROGRAMMER IN A DOUBLE DOOR SYSTEM

With the digital programmer ET-DSEL is possible to operate separately on operators Master and Slave as regards the following sections of the programming menu and general area information.

a) FUNCTIONS AND PARAMETERS





Slave operator

pressing the F3 button you switch from Master to Slave and vice versa

Master operator

b) MAINTENANCE





Master operator

Slave operator

If the display shows the letter M on the ET-DSEL operations it's related to the Master, if display show letter S operation performed it's related to the slave operator.

c) INFO AREA AND MEMORY EVENTS

Also the informations and the events can be accessed individually.

Once you enter in the information menu as described in par. 16, press the F3 button to selected on which operator you want to display information and events.

At the top right of the display will show the letter M if the information regarding the Master operator, the letter S if they relate to the operator Slave.





Master operator

pressing the F3 button you switch from Master to Slave and vice versa
Slave operator

In double leaf application, reset error log first on SLAVE (S) unit and then on MASTER (M) unit. To reset error log, select "ERROR RESET" and press OK.

19.6 INPUT DIAGNOSTIC MASTER/SLAVE

ET-DSEL programmer allows checking the inputs status to ensure proper operation of all devices connected with NEXT 75 automation. To enter "Inputs diagnostics" while the automatic door operating program is shown on display, keep **F2** button pressed for about 3 seconds. If an M appears on top right, MASTER input ports are displaying. The display shows the symbols of all operator inputs, with the relevant terminal number. If an input is used, the corresponding symbol lights up with an arrow on a side.

F3 button is exclusively used with a double-leaf swing door. If an M appears on top right, MASTER input ports are displaying, in case of an S, input ports concern SLAVE operator. A single touch on the F3 button switches from M to S.





20) MAINTENANCE PROGRAM

To guarantee and to keep a secure functioning in door's lifetime it recommended make maintenance every 6 months. The installer can set the number of cycles of opening/closing after which on the programmer ET-DSEL shows the message "SCHEDULED MAINTENANCE" (parameter P48).

€C Warning!

Before work on the operator cut main power line.

- Check that all fixing screws are well tightened.
- Clean and lubricate moving and sliding components.
- Check wiring connections.
- Check that arm connection screw are well tightened.
- Check that the door wing is stable and that the movement is fluent and with no friction from "door open" position up to "door closed" position.
- Check the condition of the hinges and lubricate it.
- Check that speeds, timing, and safety functions are well adjust.
- Check that safety and activation sensors are properly functioning.

At the end of the maintenance reset the counter of partial cycles and reset the memory events (see paragraph "MAINTENANCE")

©C Warning!

Any part that appear damaged or worn must be changed.

Make use only of original spare parts; for this purpose check LABEL price list.



DECLARATION OF INCORPORATION OF PARTLY ASSEMBLED MACHINERY

Manufacturer: Label S.p.A.

Address: Via Ilariuzzi 17/A - 43126 San Pancrazio Parmense, PARMA - ITALIA

Declares that: the automation mod. NEXT 75 (type NEXT 75, NEXT 75B, NEXT 75D, NEXT 75DB)

Serial number:



realized to control pedestrian automatic swing doors complies with the essential safety requirements of the following directives:

• Low Voltage Directive LVD 2014/35/UE

• Electromagnetic Compatibility Directive EMC 2014/30/UE

Label declares that the automation NEXT 75 has been realized to be incorporated in a machine or to be assembled with other devices to constitute a machine covered by Machine Directive 2006/42/EC.

Applicable harmonised European directives: EN 13849-1 EN 13849-2 (operator in category 2, PL = d) EN 61000-6-2 EN 61000-6-3 EN 60335-2-103 EN16005

Label declare as well that the product cannot be operated until the final machine, where the product is incorporated, has been certified as compliant with the Machine Directive 2006/42/EC. Label undertake to submit, upon suitably justified request of the national authorities, information related to the partly completed machinery.

PERSON AUTHORIZED TO ESTABLISH THE TECHNICAL DOCUMENTATION:

Bruno Baron Toaldo Via Ilariuzzi, 17/A 43126 - San Pancrazio P.se - Parma

Parma, 19/12/2018

The Chairman Bruno Baron Toaldo

Brino







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