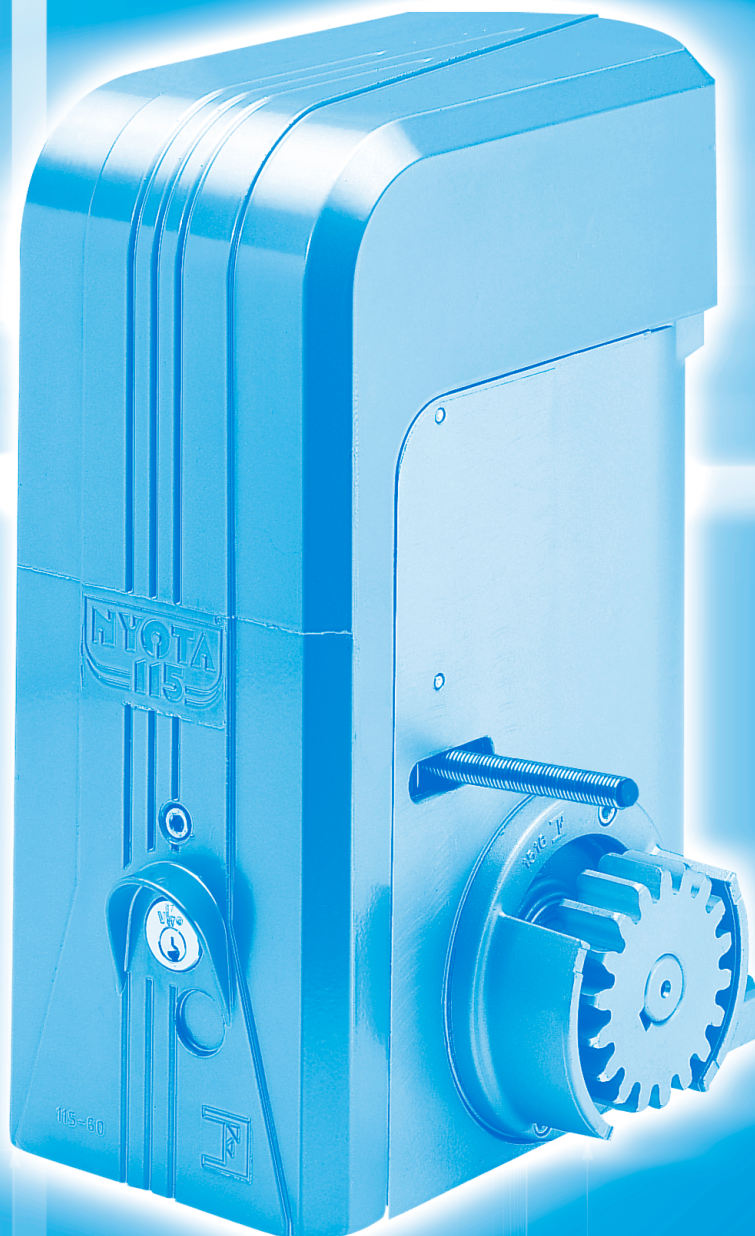


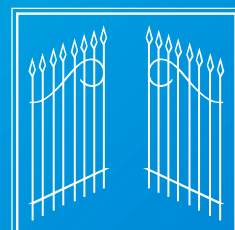
NYOTA 115

➤ ELECTRO-MECHANICAL
SLIDING GATE OPERATOR



INSTRUCTION MANUAL
TO FIT THE SYSTEM ON TO SLIDING GATES

GB



FADINI[®]
the gate opener

NYOTA 115

INSTRUCTIONS FOR THE INSTALLATION OF THE AUTOMATION

FOR A CORRECT INSTALLATION AND GOOD PERFORMANCE OF NYOTA 115 READ THE INSTRUCTIONS THAT ARE OUTLINED IN THIS MANUAL AND KEEP TO THE DIAGRAMS.

Nyota 115 is an extremely versatile system for sliding gates up to 1'200 kg gate weight. It is available in 0.37 KW (0.5 HP) single- and three-phase versions and 0.73 KW (1.0 HP) single and three-phase versions.

It is a strong and reliable automation. It has a torque control device that can be manually adjusted; worm and gear are made of bronze and steel and are supported by bearings, all these parts in an oil bath. A manual overriding system allows manual operations of the gate in emergency events like power failure.

POINTS TO CHECK WITH THE GATE

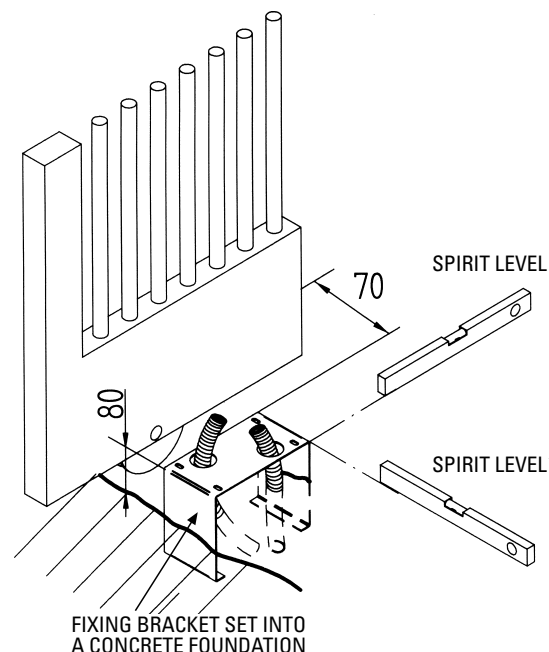
Check that the gate track is well fixed to a solid foundation to prevent deformation which would result into an unbalanced travelling of the gate.

IMPORTANT: Make sure that gate stops are fixed in the fully open and fully closed gate positions so that the gate does not over travel the permitted limit and go out of the upper guide.

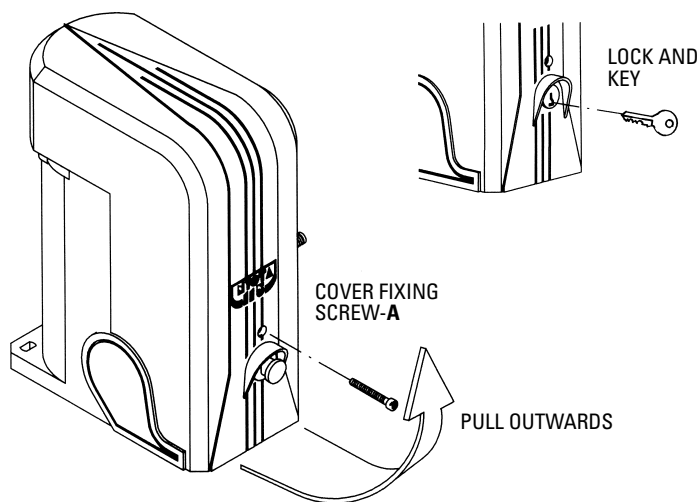
IMPORTANT: Make sure that, once at the end of the permitted travel, the gate does not hit the gate posts or specially fitted gate stops to avoid damages to its structure.

FITTING NYOTA 115 ONTO THE FIXING BASE PLATE

- The first operation is to fix the **fixing bracket** to the ground and make sure that it is perfectly **levelled**. Fixing distances are as indicated (pic.1). Fixing is by setting the plate into a concrete foundation.
- Remove the **cover** of NYOTA 115 by loosening the fixing **screw-A** (or by the optional key): pull the cover outwards and almost simultaneously upwards (pic.2).
- NYOTA 115 is fixed to the **bracket** by four **screws-B** (pic.3)



PIC. 1

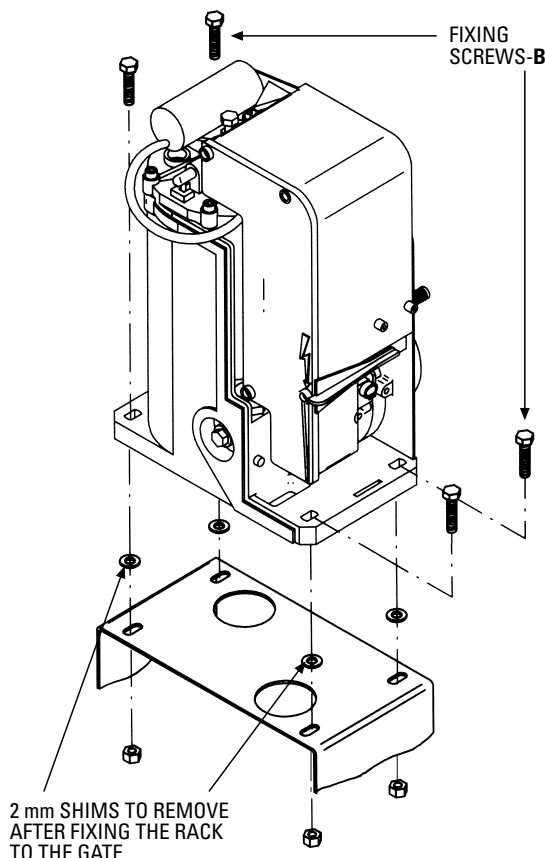


PIC. 2

RACK FITTING OPERATIONS

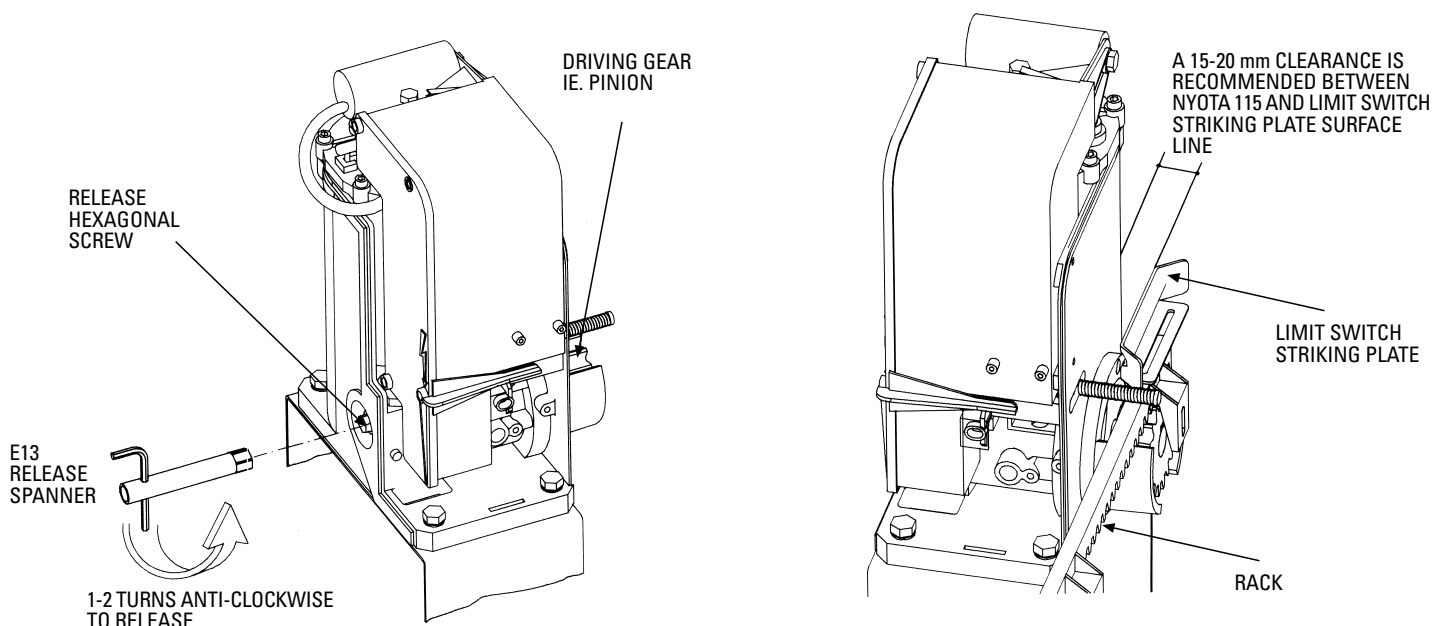
IMPORTANT: When installing NYOTA 115 it is recommended to insert **2 mm shims** between the fixing bracket and the **NYOTA 115 base plate** (NYOTA 115 perfectly levelled) before welding the rack to the gate, so that the rack and gear mesh each other with an adequate clearance after that the shims have been removed (pic.3).

- Temporarily fix NYOTA 115 onto the fixing bracket, perfectly levelled, by the four fixing screws-B (pic.3).



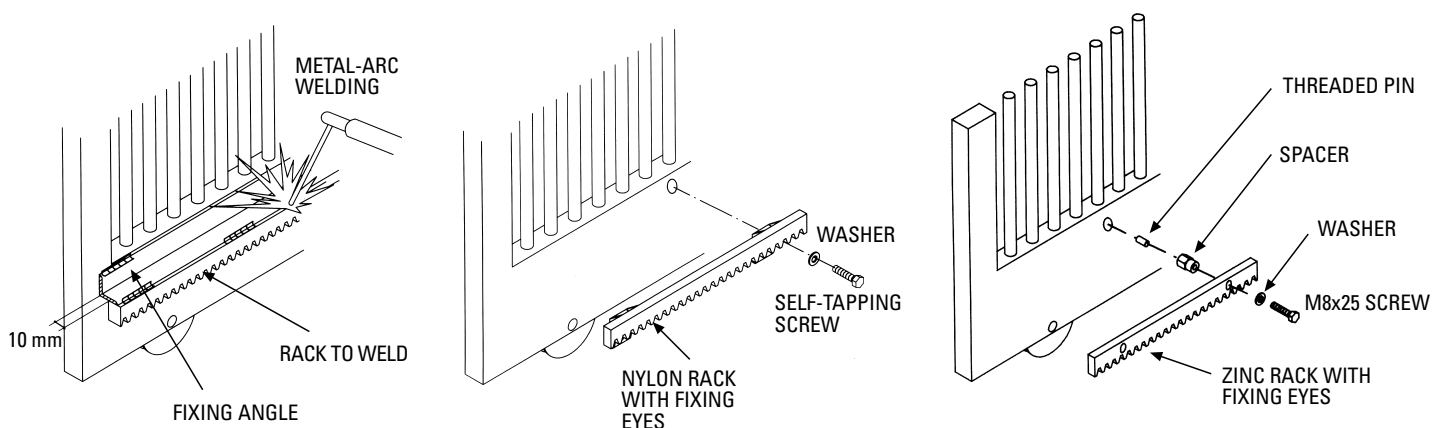
PIC. 3

- How to **release** NYOTA 115 from the gate and disconnect the driving gear: remove the cover (pic.2) and unscrew the hexagonal screw (by 1 or 2 turns maximum) by the release spanner E 13 supplied with the equipment (pic.4).

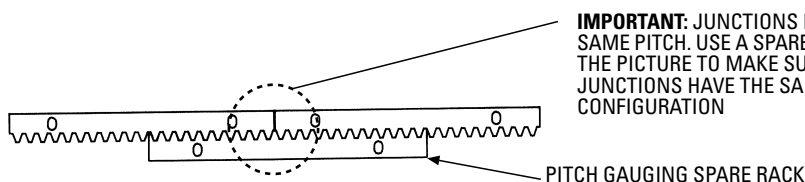


PIC. 4 PIC. 5

- This explains how to fix the **rack**. Release the system by the provided **E 13 spanner** so that the **driving gear** of NYOTA 115 can run idle (pic. 4). (The gate can be freely moved by hand, the operator Nyota 115 standing in idle position).
 - Temporarily **clamp** the rack to the gate so that it can adequately mesh the **driving gear** (The 2 mm shims still fitted between Nyota 115 base plate and the fixing bracket). Use a spare rack bar to make sure that junctions have the same rack pitch (pic.7).
 - Spot weld an **angle bracket** to the gate first, then the **rack** in the same way (if the welding type has been supplied), or fix it to the gate **by screws** (if either the nylon or galvanized type with fixing eyes has been supplied) (pic.6).
- IMPORTANT:** Before welding or fixing permanently any component, make sure that the rack can mesh the **driving gear** of NYOTA 115 so that the whole system can be smoothly run by hand the full gate travel open and close without any friction, Nyota 115 still in idle position.
- Remove the **2 mm shims** only after having fixed the rack. An adequate clearance between rack and gear has thus been achieved (pic.3).



PIC. 6



IMPORTANT: JUNCTIONS MUST HAVE THE SAME PITCH. USE A SPARE RACK BAR AS IN THE PICTURE TO MAKE SURE THAT JUNCTIONS HAVE THE SAME CONFIGURATION

PIC. 7

LIMIT SWITCH STRIKING PLATES. FITTING INSTRUCTIONS

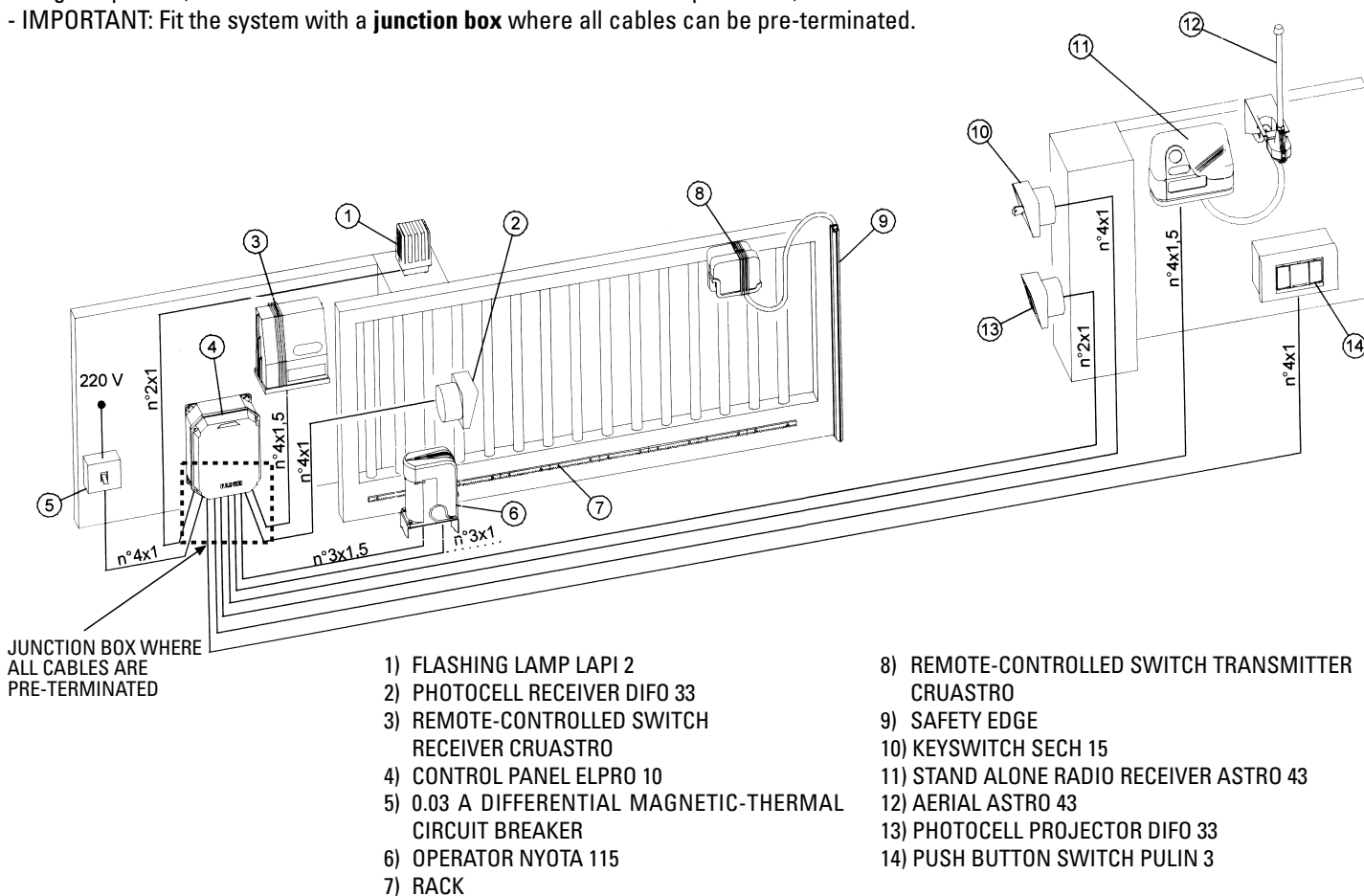
- Fix the **limit switch striking plates** as shown in the diagram: the distance between NYOTA 115 and the **striking plate front surface line** must be **15 - 20 mm** approx. (pic. 5).

IMPORTANT: the gate must stop before hitting the gate post or special gate stops to prevent any damage to its structure.

ELECTRICAL CONNECTIONS

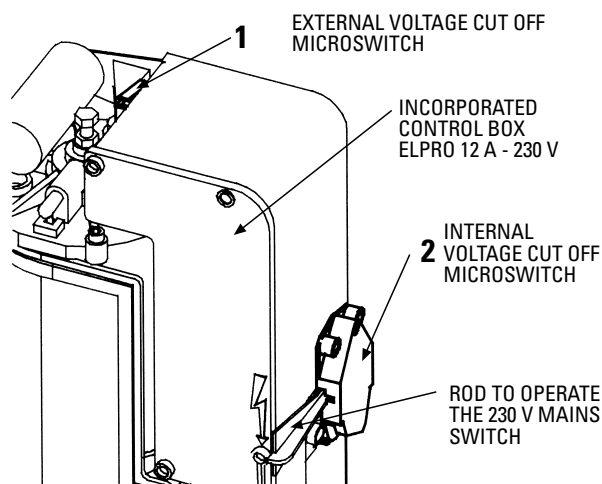
to the electronic control panel:

- **Voltage supply, electric motor, flashing lamp** require 1.5 mm² cables, which must not exceed a 50 m distance. For greater distances the recommended cable square section is 2 mm² (pic.8).
- **Limit switches, photocells, keyswitch, push button switch and accessories:** 1 mm² cables can be used for these items (Pic.8).
- The safety **pneumatic edge** is to be fitted to the gate edge and is connected to the control box by a cable to be automatically rewound to take up the slack. A **remote-controlled switch** can be fitted instead, **series** connected with the **limit switch** or the **photocell receiver**.
- The electronic control panels type ELPRO 10 and ELPRO 14 (for double bi-parting sliding gates only) are pre-set for all required operations, automatic or semi-automatic, and are fitted with line relays and fault-detecting led indicators (pic.10 and 12). **IMPORTANT:** Before connecting the system to the mains, position the **voltage change-over switch** to coincide with the site specifications (either 230 V or 400 V); the switch is fitted onto the main boards of ELPRO 10 and ELPRO 14 (Pic.10 and Pic.12). An option is available where the control panel ELPRO 12 is incorporated in the operator (230 V single-phase only); for the electrical connections follow the diagram pic. 11 (n.w. the limit switches and the electric motor are pre-wired).
- **IMPORTANT:** Fit the system with a **junction box** where all cables can be pre-terminated.



PIC. 8

- NYOTA 115 is fitted with an **external safety microswitch (1)** which disconnects the low voltage circuit whenever the operator cover is removed; on request an extra **internal safety microswitch (2)** can be fitted to ELPRO 12 control box in order to disconnect the 230 V supply when the lid of the control box is removed. To ensure the correct functioning of the system in case the a.m. parts are removed, make sure that they are put back to the original position to allow the respective contacts to be properly closed (pic.9).



PIC. 9

Elpro • 10 CEI

FOR SLIDING GATES THREE-PHASE/SINGLE-PHASE



26
27
28

TERMINALS FOR THE
CONNECTION OF THE
PUSH BUTTONS PULIN 3

VOLTAGE
CHANGE-OVER SWITCH
400 V 230 V

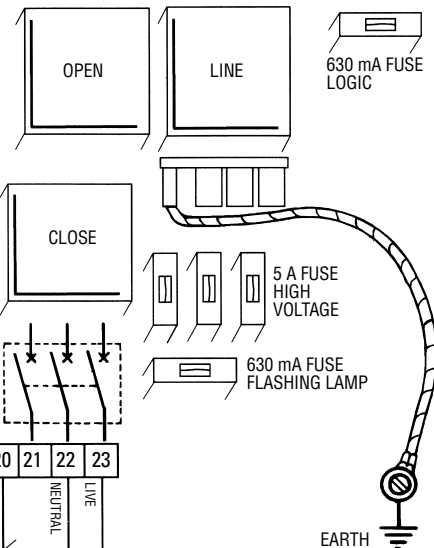
RADIO CONTROL
PLUG-IN CARD SUPPORT

24 V OUTPUT
1° CHANNEL

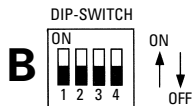
1 AMP.
FUSE: 24 V OUTPUT
TERMINALS 12 - 13

PEDESTRIAN OPENING CARD
CONNECTOR

PP

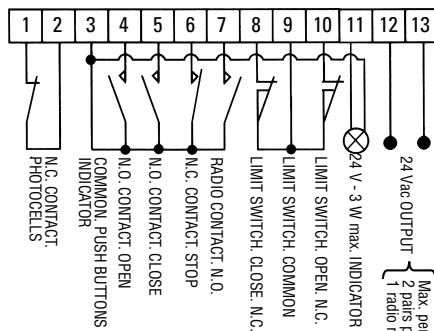


EARTH



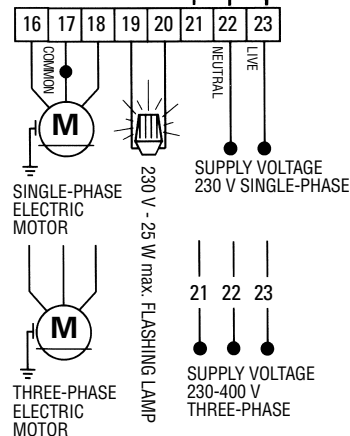
ON - NO PRE-FLASHING
ON - AUTOMATIC CLOSING
ON - REMOTE CONTROL - NO REVERSING
ON - PHOTOCELLS STOP DURING OPENING
N.W.: Set any DIP-SWITCH to OFF to get the opposite function.

BOARD ON VOLTAGE



ALL OPERATIONS
OPEN, CLOSE & REVERSE
RADIO CONTACT

Should more pairs of photocells be required than the recommended quantity, fit an auxiliary transformer outside the control box.



N. W.: For special applications, ie. To switch on lights - CCTV etc., solid state relays are recommended to be used only. Standard relays would affect the micro-processor.

N. W.: This panel is tested to operate gates only through Fadin's accessories. No warranty is acknowledged by the manufacturer in case that other accessories are used or non conforming applications are made without the manufacturer's approval.

PIC. 10

DESCRIPTION OF THE FUNCTIONS OF THE ELECTRONIC PANEL FOR SINGLE SLIDING GATES

All the electrical connections are to be made as per the following instructions and diagrams. Supply the terminals 21-22-23 with 230 V, 50 Hz, single-phase voltage. The "red led" No. 1 switches on and stays on as long as the board is properly supplied. Set the timer "MOTOR RUN. OPEN & CLOSE" so that the running time of the motor is longer than the actual travel of the gate. Set the timer "DWELL" - i.e. the interval between open and re-close - so that you can meet the required interval of time. LOGIC OF THE ELECTRONIC PROGRAMMER: When a pulse is given, the flashing light switches on. After three seconds the motor starts. During the interval before re-closing, the light stays on. When the gate has fully re-closed, the light keeps on flashing for three more seconds and then switches off automatically. The 3 second interval (pre-flashing) which precedes the actual start of the motor can be eliminated by means of the DIP-SWITCH "B" No. 4.

FAULT FINDING LED INDICATORS:

- LED No. 1: It switches on when voltage is supplied.
- LED No. 2: "PHOTOCELLS". Normally on. It switches off when the photocells are obstructed.
- LED No. 3: "OPEN". It switches on when the respective switch is activated.
- LED No. 4: "CLOSE". It switches on when the respective switch is activated.
- LED No. 5: "STOP". Normally on. It switches off when the respective switch is activated.
- LED No. 6: "LIMIT SWITCH. CLOSE". It switches off when the gate is fully closed.
- LED No. 7: "LIMIT SWITCH. OPEN". It switches off when the gate is fully open.
- LED No. 8: "RADIO". It switches on whenever a pulse is given, either through remote control, keyswitch or push buttons.

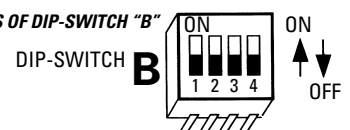
NOTES TO TERMINAL CONNECTIONS:

- It is advisable not to expose the control box directly to weather conditions. If mounted outside, a suitable enclosure is recommended to protect it from sunshine and rain.
- Earth the equipment by using the terminal fitted to the box, bottom right-hand side.
- Bridge terminals 1 - 2 if you do not require any photocells.
- Should two sets of photocells be required, these are to be series connected to terminals 1 - 2, contact normally closed. Cross install the receiver with the projector so that the receiver of one pair is next to the projector of the second pair.
- Bridge terminals 3 - 6 if you do not require any keyswitch or push buttons.
- Fit the mains to the control box with a high sensitivity, differential, magnetic-thermal switch, 0.03 Amps.
- For single-phase electric motors use cables having a square section not inferior to 1.5 mm².
- The 24 V - to terminals No. 12-13 is only provided to supply No. 2 pairs of photocells and 1 radio receiver. Should more than 2 pairs of photocells or extra receivers be required, fit an auxiliary transformer outside the control box.
- Terminal No. 11 is an output in case an extra 24 V - 3 W max. lamp is to be fitted to the system. Terminals 19-20 provide a 25 W max. output for the flashing lamp.

CARD FOR PEDESTRIAN OPENING:

To allow a sliding gate to open partially for pedestrians, pulse the N.O. push button that is connected to the respective terminals on the pedestrian opening card. Adjust the span of the pedestrian opening through the provided potentiometer "P" to meet the site requirements. DIP - switch - B - N° 3 set to "ON" automatic mode: the gate runs to closed after the time set with the main PC board potentiometer, ie. (+ DWELL). - You can manually pulse to close either by push button or remote control.

FUNCTIONS OF DIP-SWITCH "B"

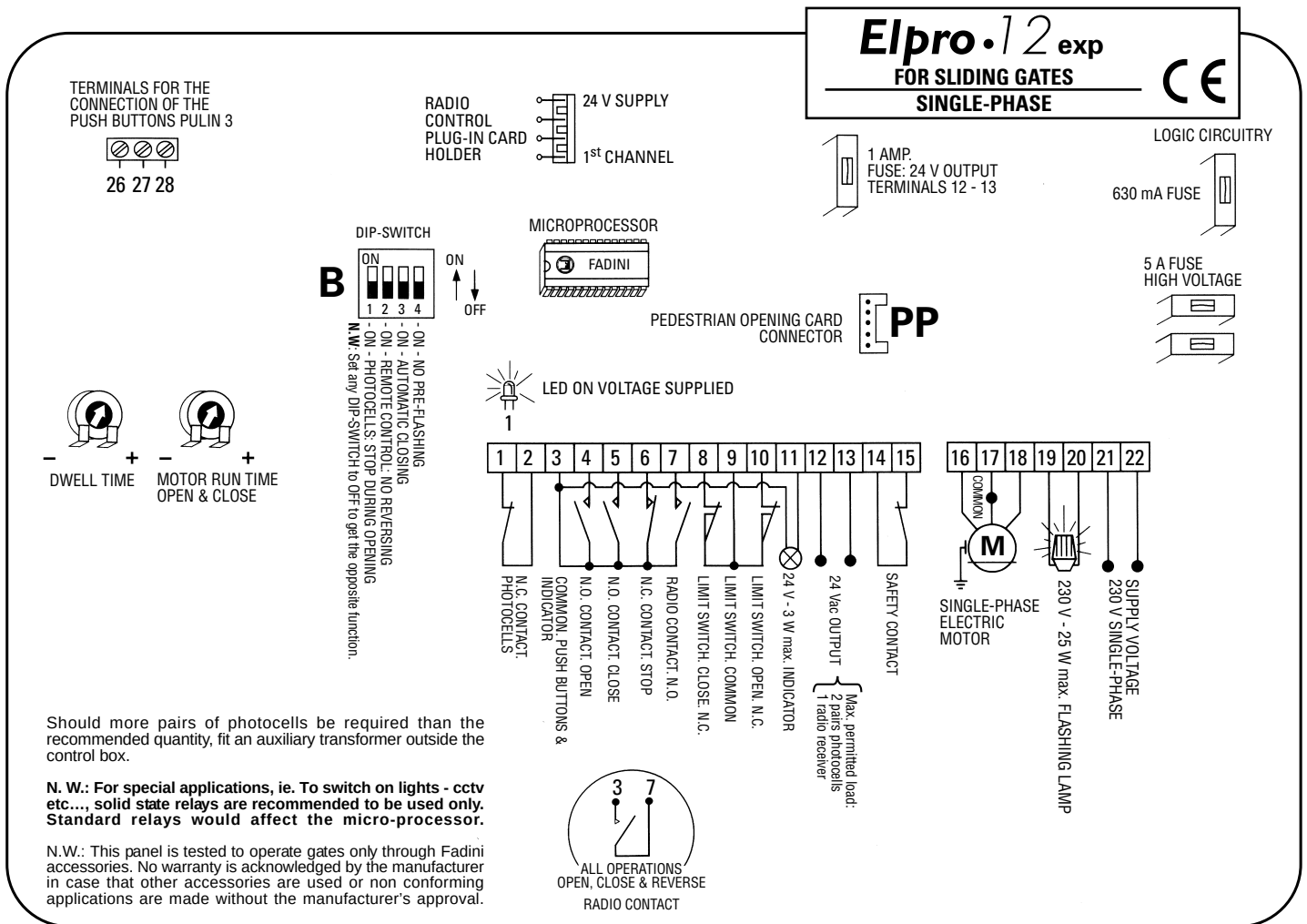


- 1 - ON: PHOTOCELLS. STOP DURING "OPEN" CYCLE
OFF: PHOTOCELLS. NO STOP DURING "OPEN" CYCLE
- 2 - ON: REMOTE CONTROL. NO REVERSE TRAVEL
OFF: REMOTE CONTROL. REVERSE TRAVEL
- 3 - ON: AUTOMATIC RE-CLOSING
OFF: NO AUTOMATIC RE-CLOSING
- 4 - ON: NO PRE-FLASHING
OFF: PRE-FLASHING

CONNECTOR FOR THE
PEDESTRIAN
OPENING CARD



OPTIONAL PEDESTRIAN OPENING
P.P. CARD to fit the P.P. connector



PIC. 11

DESCRIPTION OF THE FUNCTIONS OF THE ELECTRONIC PANEL FOR SINGLE SLIDING GATES

All the electrical connections are to be made as per the following instructions and diagrams. Supply the terminals 21-22-23 with 230 V, 50 Hz, single-phase voltage. The "red led" No. 1 switches on and stays on as long as the board is properly supplied. Set the timer "MOTOR RUN. OPEN & CLOSE" so that the running time of the motor is longer than the actual travel of the gate. Set the timer "DWELL" - i.e. the interval between open and re-close - so that you can meet the required interval of time. LOGIC OF THE ELECTRONIC PROGRAMMER: When a pulse is given, the flashing light switches on. After three seconds the motor starts. During the interval before re-closing, the light stays on. When the gate has fully re-closed, the light keeps on flashing for three more seconds and then switches off automatically. The 3 second interval (pre-flashing) which precedes the actual start of the motor can be eliminated by means of the DIP-SWITCH "B" No. 4.

NOTES TO TERMINAL CONNECTIONS:

- 1) It is advisable not to expose the control box directly to weather conditions. If mounted outside, a suitable enclosure is recommended to protect it from sunshine and rain.
- 2) Earth the equipment by using the terminal fitted to the box, bottom right-hand side.
- 3) Bridge terminals 1 - 2 if you do not require any photocells.
- 4) Should two sets of photocells be required, these are to be series connected to terminals 1 - 2, contact normally closed. Cross install the receiver with the projector so that the receiver of one pair is next to the projector of the second pair.
- 5) Bridge terminals 3 - 6 if you do not require any keyswitch or push buttons.
- 6) Fit the mains to the control box with a high sensitivity, differential, magnetic-thermal switch, 0.03 Amps.
- 7) For single-phase electric motors use cables having a square section not inferior to 1.5 mm².
- 8) The 24 V~ to terminals No. 12-13 is only provided to supply No. 2 pairs of photocells and 1 radio receiver. Should more than 2 pairs of photocells or extra receivers be required, fit an auxiliary transformer outside the control box.
- 9) Terminal No. 11 is an output in case an extra 24 V - 3 W max. lamp is to be fitted to the system. Terminals 19-20 provide a 25 W max. output for the flashing lamp.

CARD FOR PEDESTRIAN OPENING:

To allow a sliding gate to open partially for pedestrians, pulse the N.O. push button that is connected to the respective terminals on the pedestrian opening card. Adjust the span of the pedestrian opening through the provided potentiometer "P" to meet the site requirements. DIP - switch - B - N° 3 set to "ON" automatic mode: the gate runs to closed after the time set with the main PC board potentiometer, ie. (+ DWELL). - You can manually pulse to close either by push button or remote control.

FAULT FINDING:

- Check supply voltage with a tester. It must be 230 V, single-phase.
- Check the high voltage fuses.
- Check if the photocell contacts are normally closed.
- Check voltage from the control box to the electric motor, power might have dropped.
- Check the low voltage fuse.

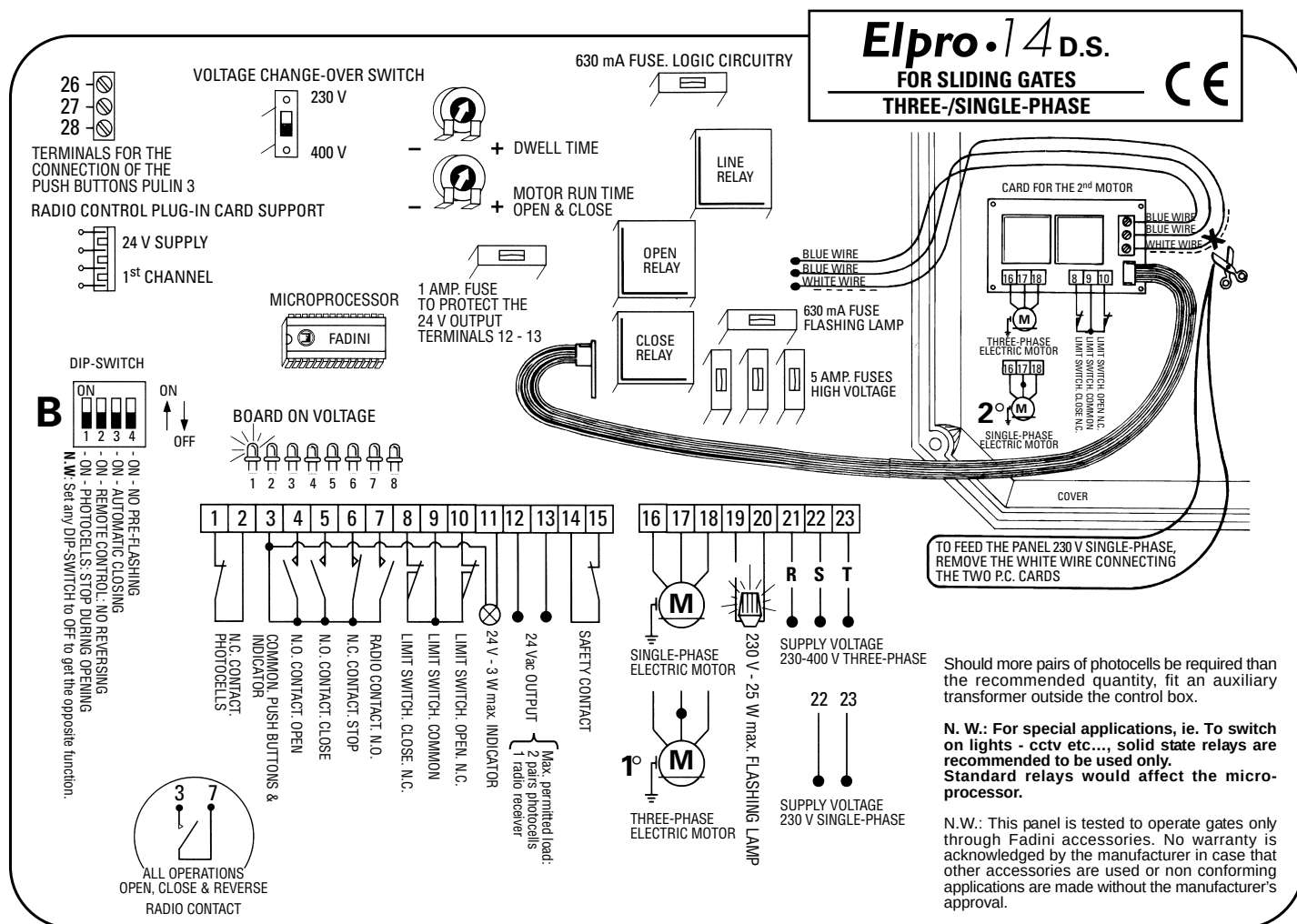
FUNCTIONS OF DIP-SWITCH "B"



- 1 - ON: PHOTOCELLS. STOP DURING "OPEN" CYCLE
OFF: PHOTOCELLS. NO STOP DURING "OPEN" CYCLE
- 2 - ON: REMOTE CONTROL. NO REVERSE TRAVEL
OFF: REMOTE CONTROL. REVERSE TRAVEL
- 3 - ON: AUTOMATIC RE-CLOSING
OFF: NO AUTOMATIC RE-CLOSING
- 4 - ON: NO PRE-FLASHING
OFF: PRE-FLASHING

CONNECTOR FOR THE PEDESTRIAN OPENING CARD





PIC. 12

DESCRIPTION OF THE FUNCTIONS OF THE ELECTRONIC PANEL FOR **SIMULTANEOUSLY BI-PARTING SLIDING GATES**

All the electrical connections are to be made as per the following instructions and diagrams. Supply the terminals 21-22-23 with 230-400 V, 50 Hz, three-phase voltage. The "red led" No. 1 switches on and stays on as long as the board is properly supplied. Set the timer "MOTOR RUN. OPEN & CLOSE" so that the running time of the motor is longer than the actual travel of the gate. Set the timer "DWEELL" - i.e. the interval between open and re-close - so that you can meet the required interval of time. **LOGIC OF THE ELECTRONIC PROGRAMMER:** When a pulse is given, the flashing light switches on. After three seconds the motor starts. During the interval before re-closing, the light stays on. When the gate has fully re-closed, the light keeps on flashing for three more seconds and then switches off automatically. The 3 second interval (pre-flashing) which precedes the actual start of the motor can be eliminated by means of the DIP-SWITCH "B" No. 4.

FAULT FINDING LED INDICATORS:

- LED No. 1: It switches on when voltage is supplied.
- LED No. 2: "PHOTOCELLS". Normally on. It switches off when the photocells are obstructed.
- LED No. 3: "OPEN". It switches on when the respective switch is activated.
- LED No. 4: "CLOSE". It switches on when the respective switch is activated.
- LED No. 5: "STOP". Normally on. It switches off when the respective switch is activated.
- LED No. 6: "LIMIT SWITCH. CLOSE". It switches off when both gates are fully closed.
- LED No. 7: "LIMIT SWITCH. OPEN". It switches off when both gates are fully open.
- LED No. 8: "RADIO". It switches on whenever a pulse is given, either through remote control, keyswitch or push buttons.

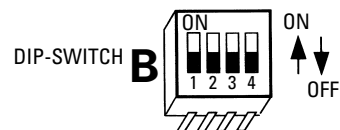
NOTES TO TERMINAL CONNECTIONS:

- 1) It is advisable not to expose the control box directly to weather conditions. If mounted outside, a suitable enclosure is recommended to protect it from sunshine and rain.
- 2) Earth the equipment by using the terminal fitted to the box, bottom right-hand side.
- 3) Bridge terminals 1 - 2 if you do not require any photocells.
- 4) Should two sets of photocells be required, these are to be series connected to terminals 1 - 2, contact normally closed. Cross install the receiver with the projector so that the receiver of one pair is next to the projector of the second pair.
- 5) Bridge terminals 3 - 6 if you do not require any keyswitch or push buttons.
- 6) Fit the mains to the control box with a high sensitivity, differential, magnetic-thermal switch, 0.03 Amps.
- 7) For single-phase electric motors use cables having a square section not inferior to 1.5 mm².
- 8) The 24 V~ to terminals No. 12-13 is only provided to supply No. 2 pairs of photocells and 1 radio receiver. Should more than 2 pairs of photocells or extra receivers be required, fit an auxiliary transformer outside the control box.
- 9) Terminal No. 11 is an output in case an extra 24 V - 3 W max. lamp is to be fitted to the system. Terminals 19-20 provide a 25 W max. output for the flashing lamp.

IN CASE THE CONTROL PANEL FAILS:

- Check supply voltage with a tester. It must be 230 V, single-phase.
- Check the high voltage fuses.
- Check if the photocell contacts are normally closed.
- Check voltage from the control box to the electric motor, power might have dropped.
- Check the low voltage fuse.

FUNCTIONS OF DIP-SWITCH "B"

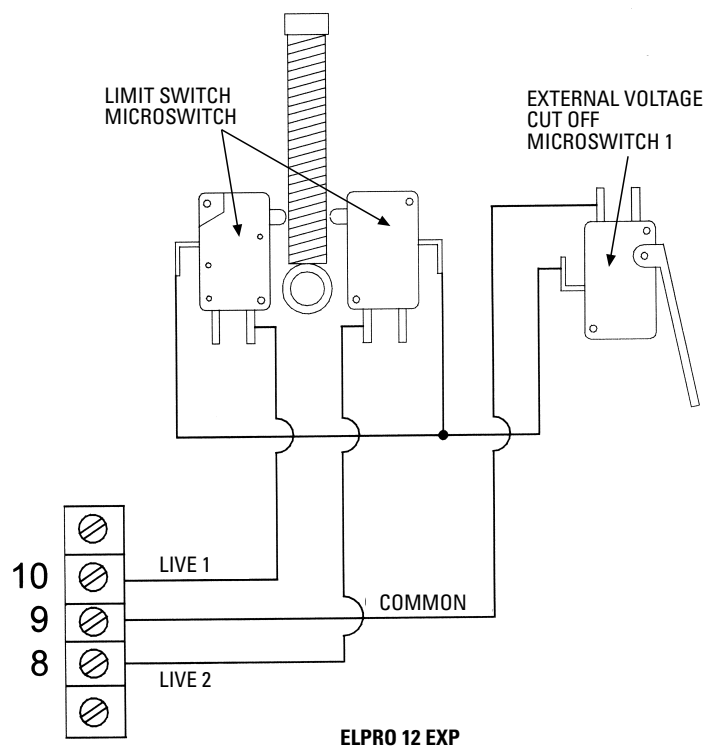


- 1 - ON: PHOTOCELLS. STOP DURING "OPEN" CYCLE
OFF: PHOTOCELLS. NO STOP DURING "OPEN" CYCLE
- 2 - ON: REMOTE CONTROL. NO REVERSE TRAVEL
OFF: REMOTE CONTROL. REVERSE TRAVEL
- 3 - ON: AUTOMATIC RE-CLOSING
OFF: NO AUTOMATIC RE-CLOSING
- 4 - ON: NO PRE-FLASHING
OFF: PRE-FLASHING

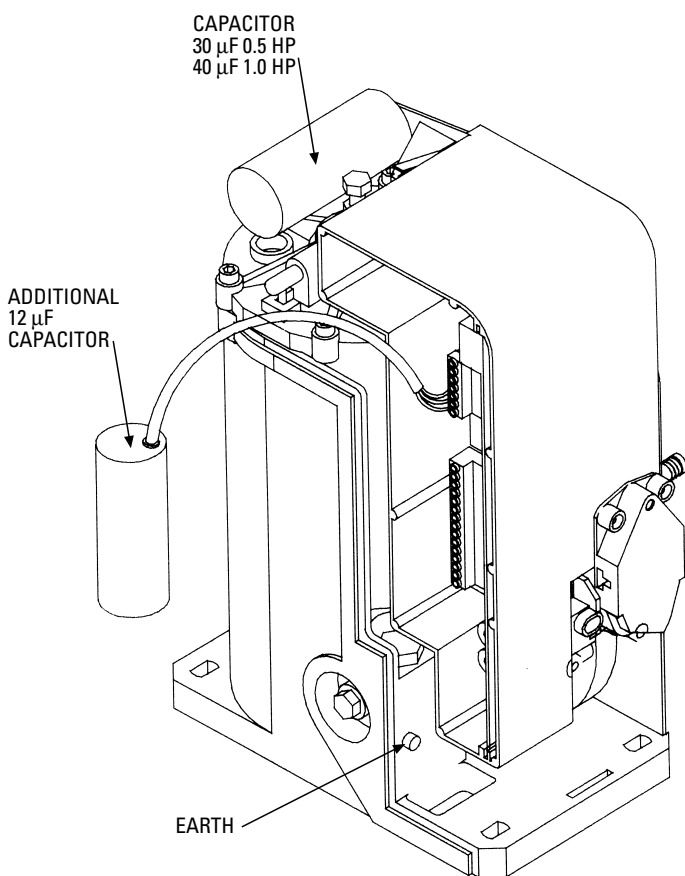
- **The limit switch contacts** are to be connected as shown in the diagram (pic. 13). 9 is in series with the voltage cut off microswitch No.1 (pic.9).

When Nyota 115 is on the first running test, and it is realized that the gate is operated in the wrong direction (for instance the gate fails to stop as the limit switch rod is pushed in the same direction), **reverse** the connections of the electric motor, by **changing over live 1 and live 2** (ie. terminal 16 with 18), and those of the **limit switches** (terminal 8 with 10) (pic.13) in the control box main board, **common 9 and 17** remain fixed (pic.14).

NOTE: IN CASE OF MOTOR FAILURE BECAUSE OF POWER SHORTAGE, ADD A 12.5 μ F CAPACITOR IN PARALLEL TO THE ELECTRIC MOTOR LIVE 1 AND 2 (pic. 14).



PIC. 13

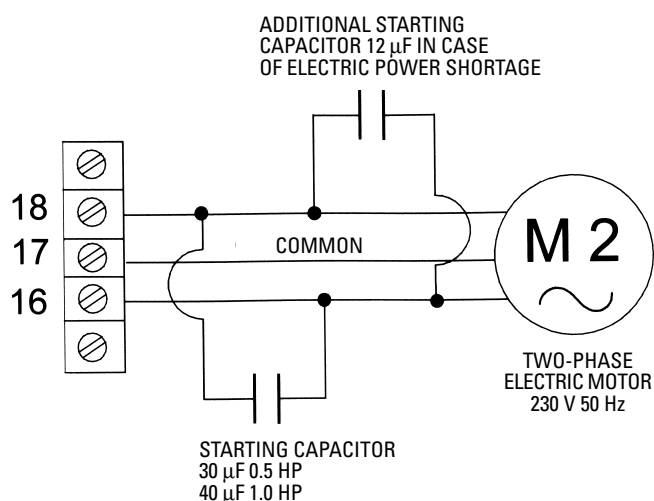


PIC. 14

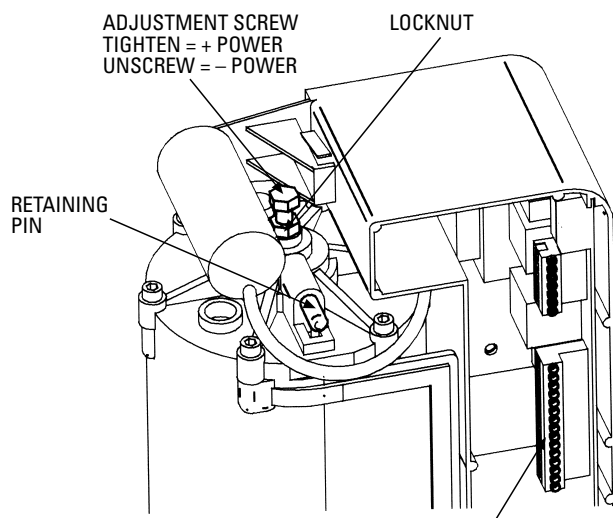
TORQUE CONTROL ADJUSTMENT

NYOTA 115 incorporates an adjustable torque control system in an oil bath, which can be adjusted to the gate weight. A 13 mm spanner can be used for adjusting operations (pic.15):

- 1) Press and hold the **retaining pin**
- 2) By means of a **13 mm spanner** unscrew the **locknut** (the pin will lock the main shaft)
- 3) Keep on holding the **retaining pin** pressed and tighten the **adjustment screw** (+ power) or unscrew it (- power)
- 4) Tighten the **nut** to lock the **adjustment screw** in the set position as required
- 5) Release the **retaining pin**.



PIC. 15



INCORPORATED ELPRO 12

TECHNICAL SPECIFICATIONS

ELECTRIC MOTOR

	SINGLE-PHASE	THREE-PHASE	SINGLE-PHASE	THREE-PHASE
Power output	0.37 KW (0.5 HP)	0.37 KW (0.5 HP)	0.73 KW (1 HP)	0.73 KW (1 HP)
Supply voltage	230 V	230/400 V	230 V	230/400 V
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Absorbed power	600 W	575 W	1'130 W	1'030 W
Absorbed current	3.2 A	2.1-1.2 A	5.7 A	3.7-2.2 A
Motor rotation speed	1'380 rpm	1'380 rpm	1'380 rpm	1'380 rpm
Capacitor	20 µF		40 µF	
Intermittent service	S5	S5	S5	S5

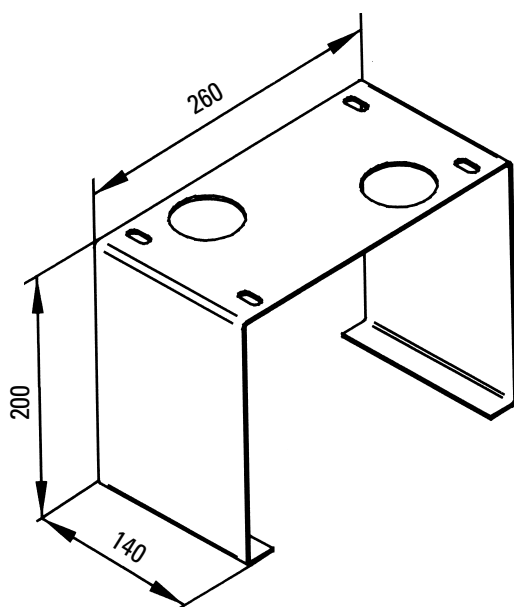
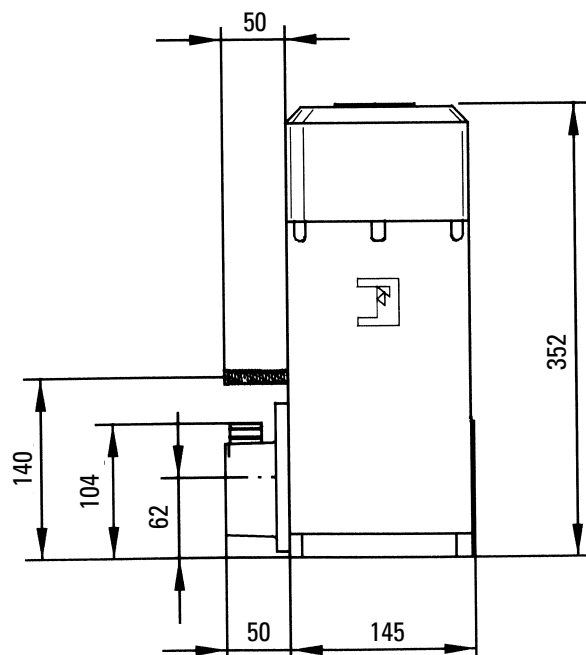
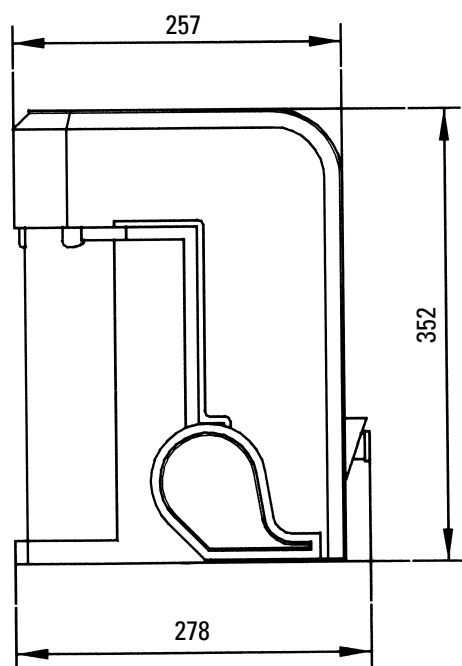
GEAR BOX

Rated torque	25 da Nm	25 da Nm	50 da Nm	50 da Nm
Gear ratio	1:32	1:32	1:32	1:32
Running speed	9.6 m/1'	9.6 m/1'	9.6 m/1'	9.6 m/1'
Oil temperature	-20°C +80°C	-20°C +80°C	-20°C +80°C	-20°C +80°C
Oit type	AGIP ROTRA THT - 80 W	AGIP ROTRA THT - 80 W	AGIP ROTRA THT - 80 W	AGIP ROTRA THT - 80 W
Protection standard	IP 557	IP 557	IP 557	IP 557
Weight Nyota 115	18.5 Kg	18 Kg	20 Kg	19.5 Kg
Max. gate weight	500 Kg	600 Kg	800 Kg	1'200 Kg
Duty cycle	25 s Open - 30 s Dwell - 25 s Close Time for one complete cycle: 80 s No. of complete cycles Open-Dwell-Close: 45/hour No. of complete cycles per year (8 hous' service per day): 131'000 cycles			

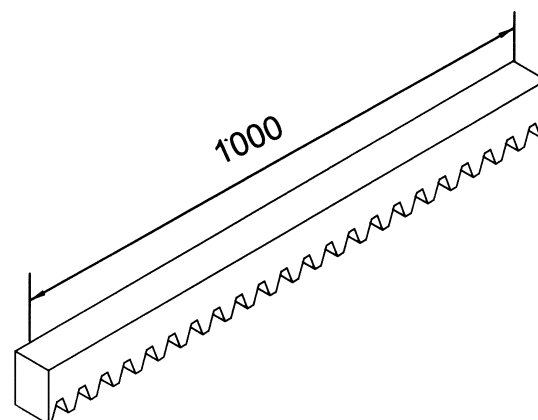
ELPRO 10 CEI

Power supply	230 / 400 V	Power transformer	20 VA
Voltage output	230 V - 25 W	Magnetic core	1.5 W / 0.5 thick.
Low voltage output	24 V - 10 W	Voltage	0-230 V
E.M. max. power output	1'100 W	Outputs	0-12-18-24 V
Line fuses	5 A	Frequency	50-60 Hz
Secondary fuses	1A - 630 mA	Insulation	4 Kv x 1'
Logic switching	Open-Stop-Close	Main switch	T215K mark SAA
Box dimensions	290x205x140	Contact rating	15° 250 Vca
Protection standard	IP 437		
Elesta relay marking	VDE-CSA-DEMCO-SEV		
	10 A 230 V		
	4 A 400 V		

OVERALL DIMENSIONS

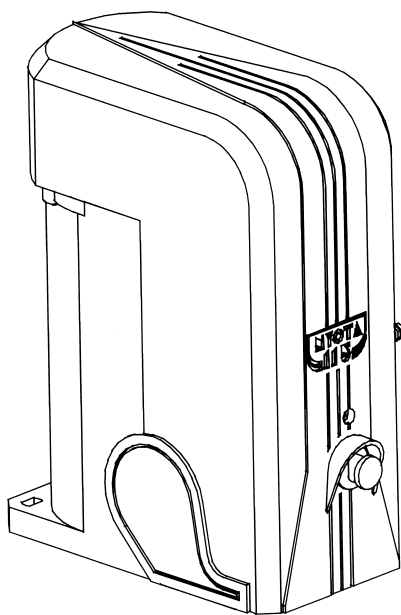


FIXING BASE PLATE

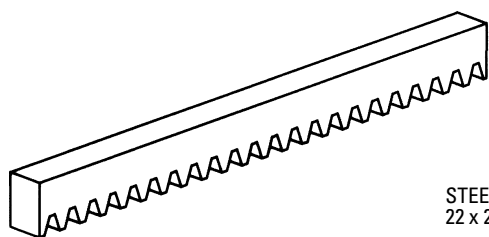


1 meter LENGTH GEAR RACK

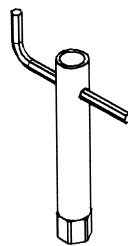
FITTING ACCESSORIES FOR INSTALLING NYOTA 115



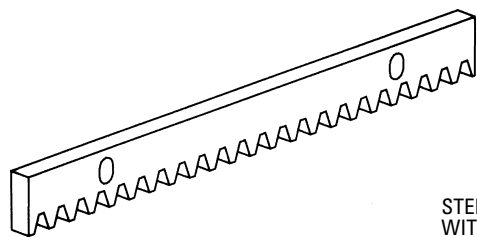
NYOTA 115
ELECTRO-MECHANICAL
TORQUE CONTROL IN OIL BATH
BRONZE-STEEL COUPLING



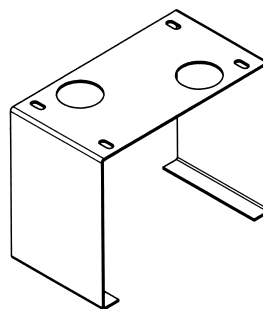
STEEL GEAR RACK
22 x 22 mm THICKNESS



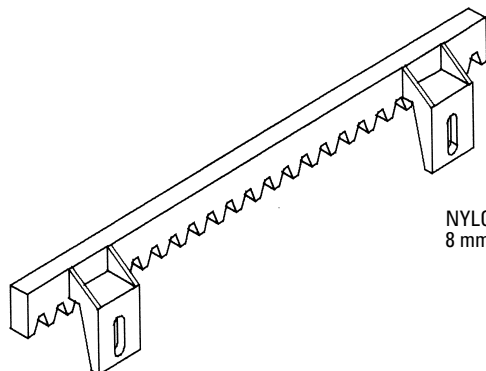
E 13 RELEASE SPANNER



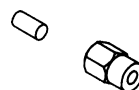
STEEL GEAR RACK
WITH FIXING SLOTS
30 x 12 mm THICKNESS



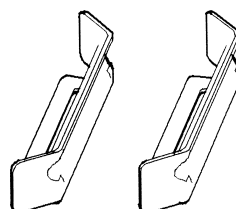
FIXING BASE PLATE
FOR CONCRETE
EMBEDDING



NYLON GEAR RACK
8 mm THICKNESS



GEAR RACK FIXING SET



LIMIT SWITCH
STRIKING PLATES
WITH FIXING SCREWS

IMPORTANT WARNING NOTES

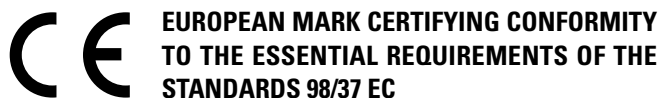
- It is recommended to keep to the instructions in this booklet - make sure that the motor specifications as printed on the motor sticker conform to those of the mains.
- Dispose properly of the packaging materials such as cardboard, nylon and polystyrene through specialized companies.
- Should the operator be removed, **do not cut** the electrical cables, but properly remove them by loosening the pins in the terminal board.
- Switch off the mains switch before the cover of the motor terminal board is removed.
- All the equipment must be properly earthed by the yellow/green cable marked with the specific symbol.
- It is recommended to carefully read the regulations, advice and remarks in the book "Warnings".



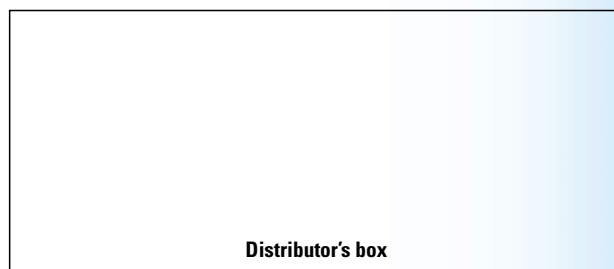
The growth of MECCANICA FADINI has always been based on the development of guaranteed products thanks to our "TOTAL QUALITY CONTROL" system which ensures constant quality standards, updated knowledge of the European Standards and compliance with their requirements, in view of an ever increasing process of improvement.

The "CE" mark certifies that the operator conforms to the essential requirements of the European Directive art. 10 EEC 73/23, in relation to the manufacturer's declaration for the supplied items, in compliance with the body of the regulations ISO 9000-UNI EN 29000.

Automation in conformity to EN 12453, EN 12445 safety standard.



- DECLARATION OF CONFORMITY
- GENERAL WARNINGS
- EN 12453, EN 12445 STANDARDS
- CEI EN 60204-1 STANDARDS
- WARRANTY CERTIFICATE ON THE CUSTOMER'S REQUEST



The manufacturers reserve the right to change the products without any previous notice