

**FADINI**  
l'apricancello  
Made in Italy

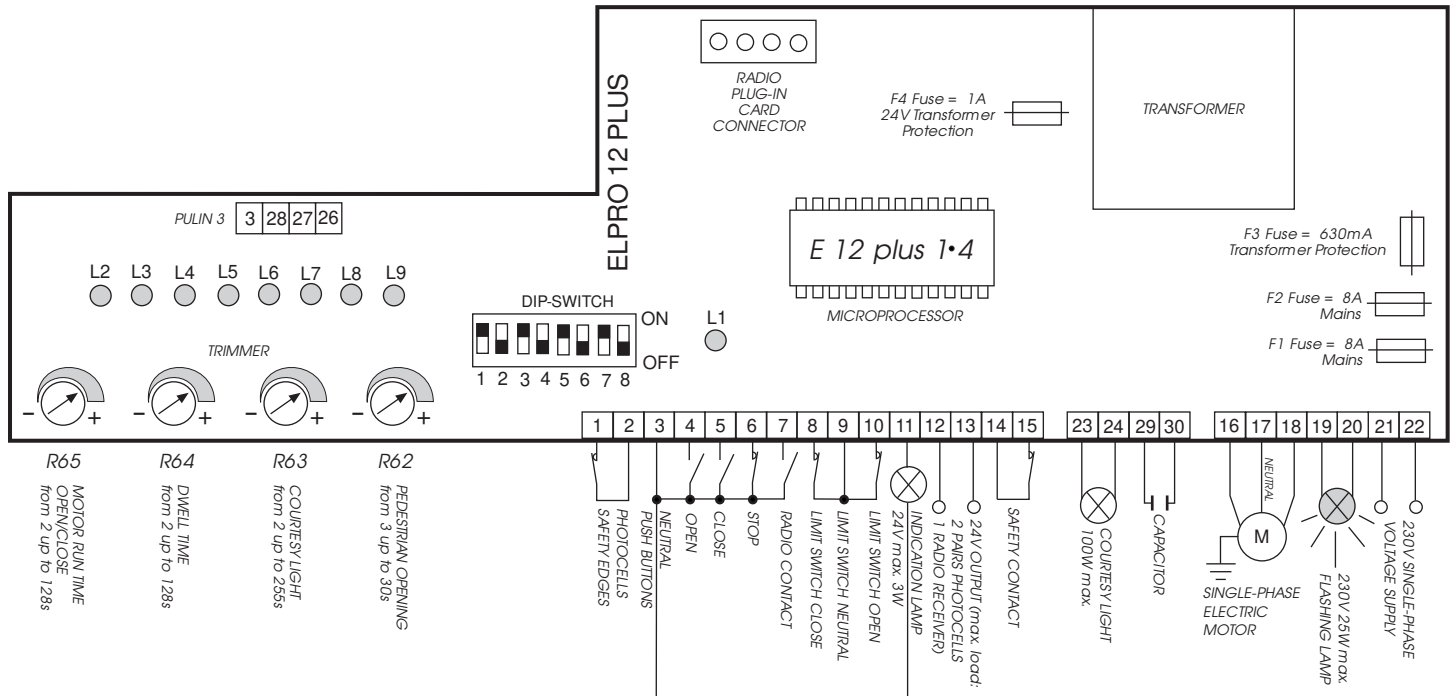
<b>I</b>	<h2>Elpro 12 PLUS</h2>	<ul style="list-style-type: none"><li>- FUNZIONE PASSO PASSO</li><li>- UOMO PRESENTE</li><li>- APERTURA PEDONALE</li><li>- LUCE DI CORTESIA</li><li>- DIAGNOSTICA A LED LUMINOSI</li><li>- SPIA DI SEGNALAZIONE DELLO STATO DELL'AUTOMAZIONE</li><li>- FUNZIONE OROLOGIO</li></ul>
<p>MONOFASE PER SCORREVOLE NYOTA 115 LIBRETTO DI ISTRUZIONI</p>		

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<p>SINGLE-PHASE FOR NYOTA 115 SLIDING GATE OPERATOR INSTRUCTIONS</p>		

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<p>MONOPHASE POUR OUVRE-PORTAIL COULISSANT NYOTA 115 NOTICES D'INSTRUCTION</p>		

<b>D</b>	<h2>Elpro 12 PLUS</h2>	<ul style="list-style-type: none"><li>- SCHRITT-IMPULS-FUNKTION</li><li>- TOTMANN-BEDIENUNG</li><li>- GEHTÜRFUNKTION</li><li>- BEDIENUNGSLICHT</li><li>- DIAGNOSE-LED</li><li>- AUTOMATION-STATUS ANZEIGELAMPE</li><li>- UHR-FUNKTION</li></ul>
<p>EINPHASIG FÜR SCHIEBETORANTRIEBE NYOTA 115 ANLEITUNG</p>		

<b>E</b>	<h2>Elpro 12 PLUS</h2>	<ul style="list-style-type: none"><li>- FUNCIONAMIENTO PASO A PASO</li><li>- HOMBRE PRESENTE</li><li>- ABERTURA PARA PASO DE PEATONES</li><li>- LUZ AUXILIAR</li><li>- DIAGNOSTICO POR MEDIO DE LED LUMINOSOS</li><li>- LÁMPARA TESTIGO QUE SEÑALA ELE ESTADO DEL AUTOMATISMO</li><li>- FUNCIÓN RELOJ</li></ul>
<p>MONOFASICO PARA VERJAS DESLIZANTES NYOTA 115 FOLLETO DE INSTRUCCIONES</p>		



The electronic control panel Elpro 12 Plus, new generation, is designed to operate the sliding gate operator Nyota 115. Power supply is 230V 50Hz single-phase. Built in full compliance with BT 93/68/CE Low Voltage and EMC 93/68/CE Electro-Magnetic Compatibility Regulations. Fitting operations are recommended by a qualified technician in conformity to the existing safety standards. The manufacturing company declines any responsibility for incorrect handling and application; also, it reserves the right to change or update the control panel any time.

#### PLEASE NOTE:

- The control panel must be installed in a sheltered, dry place, inside the box provided with it.
  - Fit the mains to the control panel with a 0.03A high performance circuit breaker.
  - Use 1.5mm<sup>2</sup> section wires for voltage supply, electric motor and flashing lamp.  
Maximum recommended distance 50m.
  - Use 1mm<sup>2</sup> section wires for limit switches, photocells, push-buttons/key-switch and accessories.
  - Bridge terminals 1 and 2 if no photocells are required.
  - Bridge terminals 3 and 6 if no key- or push-button switches are required.
- N.W: To fit extra accessories such as lights, CCTV etc. use only solid state relays to prevent damages to the microprocessor.

#### Dip-Switch:

- 
- 1= ON. Photocells. Stop while opening
  - 2= ON. Radio. No reversing while opening
  - 3= ON. Automatic closing
  - 4= ON. Preflashing activated
  - 5= ON. Radio. Step by step. Stop in between
  - 6= ON. Dead Man Control (Dip 4= OFF and Dip 3= OFF)
  - 7= ON. No lamp on during dwell time
  - 8= OFF. No function

#### In case of failure of the panel:

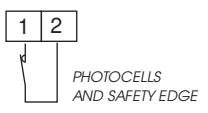
- Check voltage supply. It must be 230V 50Hz single-phase
- Check fuses
- Check photocells if contacts are normally closed
- Check all NC contacts
- Check that no voltage drop has occurred from the control panel to the electric motor

#### Led Status Indication:

- L1= 230V 50Hz power supply. Aight
- L2= Photocells, if obstructed light goes off
- L3= Open. Aight whenever an Open pulse is given
- L4= Close. Aight whenever a Close pulse is given
- L5= Stop. It goes off on pulsing Stop
- L6= Radio. It goes on by pressing a transmitter button
- L7= Gate Status; it flashes on gate opening
- L8= Limit switch Close; off when gate is closed
- L9= Limit switch Open; off when gate is open

## LOW VOLTAGE ELECTRICAL CONNECTIONS

### Photocells and Safety Edge:

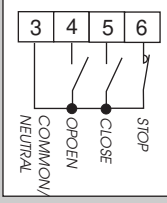


24V OUTPUT (MAX. LOAD:  
2 PAIRS PHOTOCELLS  
1 RADIO RECEIVER)

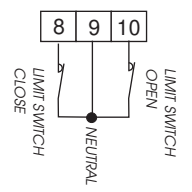
### DIPSWITCH 1:

- ON: Photocells stop gate while opening, reverse it once obstacle is removed
- OFF: Photocells do not stop gate while opening, reverse it in case of an obstacle

### Button switch:

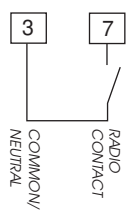


### Limit switch:



### Radio Contact:

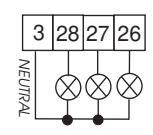
- Open/Close (Standard)
- Travel reversing on pulsing
- Step by step



### DIPSWITCH 2 and 5 (NEVER set BOTH of them ON at the same time):

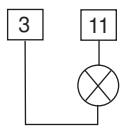
- ON: Gate is not reversed while opening
- OFF: Any pulse reverses the gate
- ON: Step by step. Stop in between
- OFF: Standard operating mode

### Push Button Switch Pulin 3:



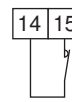
Led to indicate status of Open - Stop - Close switches

### 24V 3W Indication Light:



- Light ON = Open gate
- Light OFF = Close gate
- Flashing (fast) 0.5s = Closing gate
- Flashing (normally) 1s = Opening gate
- Flashing (slowly) 2s = gate is stopped

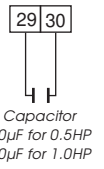
### Safety Contact:



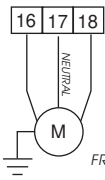
This contact must be N.C. for the control panel to be allowed to work

## HIGH VOLTAGE ELECTRICAL CONNECTIONS

### Capacitor and Single-phase Motor:



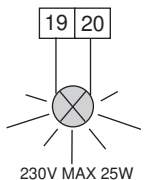
Capacitor  
20µF for 0.5HP  
40µF for 1.0HP



MOTOR RUN TIME  
OPEN/CLOSE FROM 2 UP TO 128s

DWELL TIME  
FROM 2 UP TO 128s

### Flashing lamp:



230V MAX 25W

### DIPSWITCH 4 and 7:

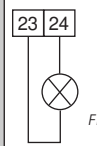
- ON: Pre-flashing
- OFF: No pre-flashing
- ON: Lamp is not operating during Dwell time. Automatic mode.
- OFF: It flashes during Dwell Time. Automatic Mode.

### Power supply:



POWER SUPPLY  
230V 50Hz SINGLE-PHASE

### Courtesy Light 230V max. 100W:



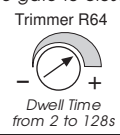
Trimmer R63  
COURTESY LIGHT  
FROM 2 UP TO 255s

## OPERATING MODES

### Automatic / Semiautomatic:

Automatic Operation: any pulse opens the gate, the gate stays open as long as the Dwell time expires as set by R64 trimmer, then it closes automatically, no pulsing is required.

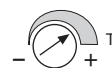
Semi-automatic Operation: any pulse opens the gate that stays open. A second pulse to Close is required for the gate to close.



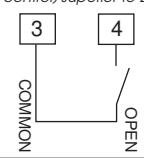
### DIP-SWITCH 3

- ON= Automatic Closing
- OFF= No Automatic. Semi-automatic closing by pulse

### Pedestrian Opening:



from 3 to 30s. It can be activated by any pulse (eg. by remote control) superior to 2s



### Hold on switched (Deadman) control:

Open and Close operations are achieved "by holding a switch on" (no relay self-holding is involved) therefore a physical attendance is required to keep the gate opening or closing until either the button or key is released.

### DIP-SWITCH 6

- ON= Deadman Control. Dip-switch 4= OFF and Dip-switch 3= OFF
- OFF= Standard Operations

### Time clock:

How it works: Set the clock to the required times. On the pre-set time the gate is automatically opened and held open. Any further pulsing (even by remote control) is not accepted by the system until the time pre-set by the clock has expired. On expiring and after the pre-set dwell time the gate is closed automatically. R62 trimmer on to zero, Dip-Switch 3= ON.



### DIP-SWITCH No.3= ON Automatic Closing

- ON= Automatic Closing
- OFF= No Automatic. Semi-automatic closing by pulse

