

**FADINI**  
l'apricancello  
Made in Italy

I

LIBRETTO DI ISTRUZIONI  
**Elpro • 70/3 PLUS**

MONOFASE - TRIFASE  
PER SCORREVOLE MEC 200

- FUNZIONE PASSO PASSO
- APERTURA PEDONALE
- UOMO PRESENTE
- SPIA DI SEGNALAZIONE DELLO STATO DELL'AUTOMAZIONE
- LUCE DI CORTESIA TEMPORIZZATA

pag. 2,3,4

GB

INSTRUCTIONS  
**Elpro • 70/3 PLUS**

SINGLE-/THREE-PHASE  
FOR SLIDING GATE OPERATORS MEC 200

- STEP BY STEP
- PEDESTRIAN OPENING
- HOLD-ON SWITCHED (DEADMAN) CONTROL
- GATE STATUS INDICATION
- ADJUSTABLE COURTESY LIGHT TIME

page 5,6,7

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NOTICES D'INSTRUCTION  
**Elpro • 70/3 PLUS**

MONOPHASE - TRIPHASE  
POUR PORTAILS COULISSANTS MEC 200

- FONCTION PAS PAS
- OUVERTURE PIETONS
- FONCTION HOMME MORT
- SIGNALISATION DE L'ETAT DE L'AUTOMATISME PAR VOYANT
- LAMPE TEMOIN TEMPORISEE

page 8,9,10

D

ANLEITUNG  
**Elpro • 70/3 PLUS**

EINPHASIG - DREIPHASIG  
FÜR SCHIEBETORANTRIEB MEC 200

- SCHRITT-IMPULS-FUNKTION
- TOTMANN-BEDIENUNG
- GEHÜRFUNKTION
- AUTOMATION-ZUSTAND ANZEIGELAMPE
- EINSTELLBARE DECKENLEUCHTEZEIT

Seite 11,12,13

E

FOLLETO DE INSTRUCCIONES  
**Elpro • 70/3 PLUS**

MONOFASICO - TRIFASICO  
PARA VERJAS DESLIZANTES MEC 200

- FUNCIONAMIENTO PASO A PASO
- ABERTURA PARA PASO DE PEATONES
- HOMBRE PRESENTE
- LÁMPARA TESTIGO QUE SEÑALA EL ESTADO DEL AUTOMATISMO
- LUZ AUXILIAR TEMPORIZADA

pág. 14,15,16

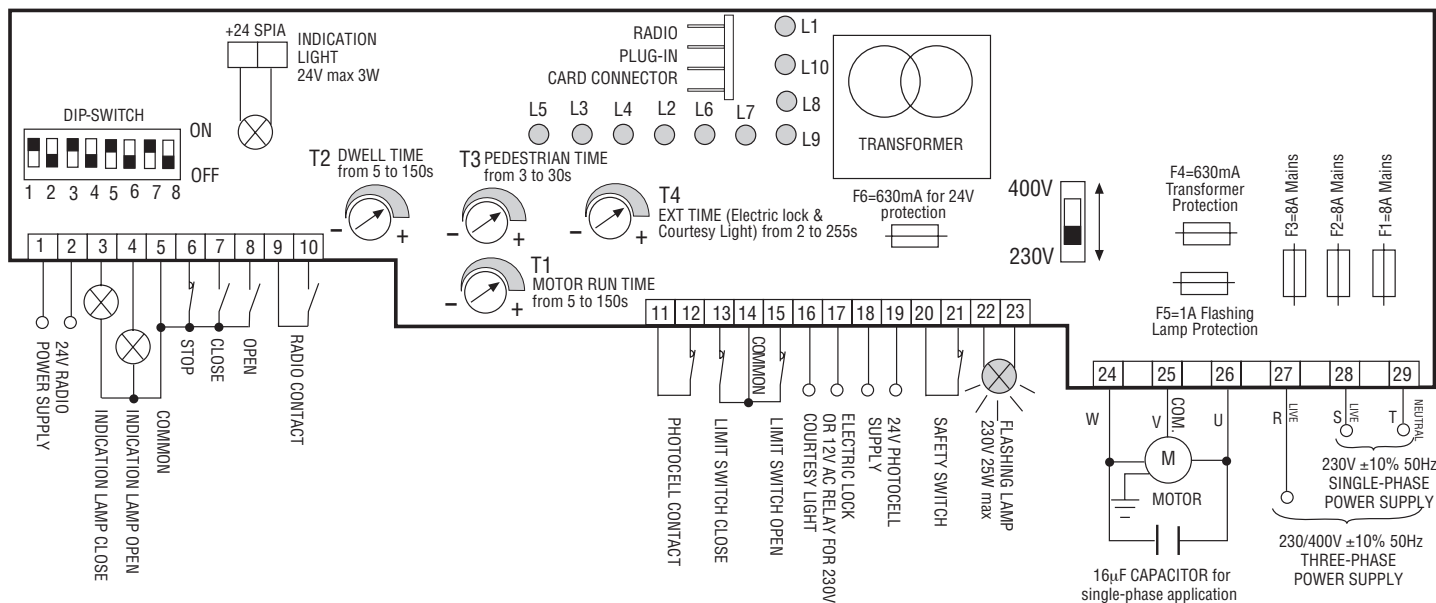
NL

HANDLEIDING  
**Elpro • 70/3 PLUS**

EENFASE-DRIEFASE  
VOOR SCHUIFHEKOPENER MEC 200

- STAP-VOOR-STAP FUNCTIE
- VOETGANGERSDOORGANG
- DODEMANSFUNCTIE
- SIGNALERINGSGLAMP AUTOMATISERINGSSTATUS
- INSTELBARE INDICATIELAMP

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**General description:** The electronic control panel Elpro 70/3 Plus, new generation, is designed to operate the sliding gate operators MEC 200. Power supply is 230-400V single- and three-phase. It is built in full compliance with the Low Voltage 2006/95/CE and Electro-Magnetic Compatibility Regulations 2004/108/EEC - 92/31/EEC. Fitting operations are recommended to be carried out by a qualified technician in conformity to the existing safety standards. The manufacturing company declines any responsibility for incorrect handling and applications; also, it reserves the right to change or update the control panel any time. **Failure to follow the installation regulations may result in serious damages to properties and persons.**

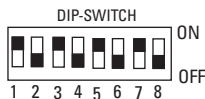


**PLEASE NOTE:**

- The control panel is fitted inside Mec 200.
  - Make sure that the power supply to the electronic programmer is  $230V \pm 10\%$  or  $400V \pm 10\%$ .
  - Make sure that the power supply to the Electric Motor is  $230V \pm 10\%$  or  $400V \pm 10\%$ .
  - For distances of over 50 metres we recommend using electric cables with bigger sections.
  - Fit the mains to the control panel with a 0.03A high performance circuit breaker.
  - Use 1.5 mm<sup>2</sup> section wires for voltage supply, electric motor and flashing lamp. Maximum recommended distance 50 m. Use 1 mm<sup>2</sup> section wires for limit switches, photocells, push-buttons/key-switch and accessories.
  - Bridge terminals 11 and 12 if no photocells are required.
  - Bridge terminals 5 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 on opening
- 2= ON Radio. No reversing on opening
- 3= ON Automatic closing
- 4= ON Preflashing activated
- 5= ON Radio. Step by step, stop in between
- 6= ON Deadman Control (Dip 4=OFF n Dip 3=OFF)
- 7= ON No light during dwell time
- 8= OFF. Blank



**In case of failure of the panel:**

- Make sure that the power supply to the electronic programmer is  $230V \pm 10\%$  or  $400V \pm 10\%$
- Make sure that the power supply to the Electric Motor is  $230V \pm 10\%$  or  $400V \pm 10\%$
- For distances of over 50 metres we recommend using electric cables with bigger sections.
- 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

**LOW VOLTAGE ELECTRICAL CONNECTIONS**

**Photocell:**

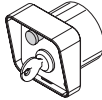
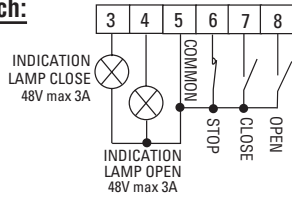


**DIP-SWITCH 1:**

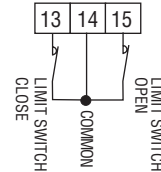
ON: Photocells stop gate while opening, reverse it on closing once obstacle is removed  
 1 OFF: Photocells do not stop gate while opening, reverse it on closing in case of an obstacle



**Push Button Switch:**

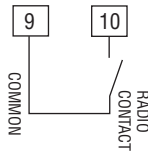


**Limit switch:**



**Radio Contact:**

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

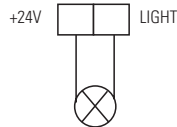


**DIP-SWITCH 2 and 5 (NEVER set BOTH of them to ON at the same time):**

ON: Gate is not reversed while opening  
 2 OFF: Any pulse reverses the gate

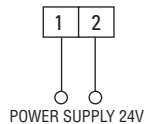
ON: Step by step. Stop in between  
 5 OFF: Standard operating mode

**24V 3W Indication Light:**

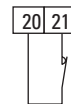


Light **ON** = Open gate  
 Light **OFF** = Closed gate  
 Flashing (**fast**) **0.5s** = Closing gate  
 Flashing (**normally**) **1s** = Opening gate  
 Flashing (**slowly**) **2s** = gate is stopped

**Radio Power Supply**



**Safety Switch**



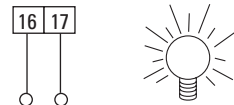
**Electric lock:**

Set the T4 Trimmer Time to the lowest value  
 The electric lock is excited for 2 seconds



**Courtesy light:**

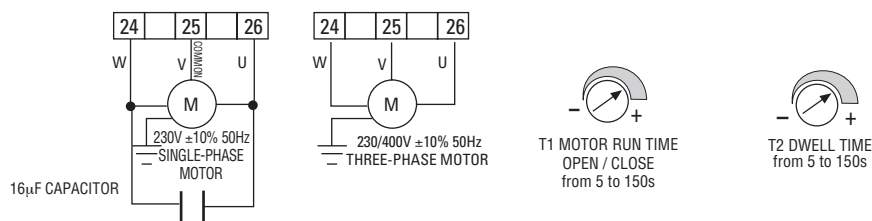
Connect a 24VAC Modular Relay (T4 Trimmer Time from 2s to 255s) to operate a 230V lamp



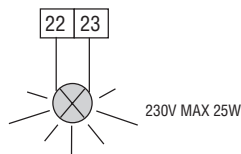


## ELECTRICAL POWER CONNECTIONS

### Single- (230V) and Three-phase (400V) Motors:



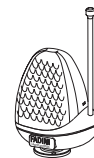
### Flashing lamp:



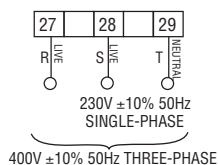
#### DIP-SWITCH 4 and 7:

ON: Pre-flashing  
 OFF: No pre-flashing  
 4

ON: Lamp is not operating during Dwell Time. Automatic Mode.  
 OFF: It flashes during Dwell Time. Automatic Mode.  
 7



### Power supply:



## OPERATING MODES

### Automatic / Semiautomatic:

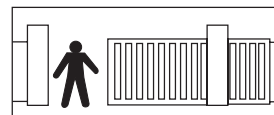


#### DIP-SWITCH 3

ON= Automatic Closing  
 OFF= No Automatic. Semi-automatic closing by pulse  
 3

### Pedestrian Opening:

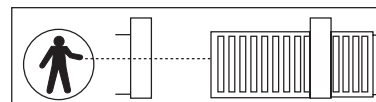
Trimmer T3 from 3 to 30s.  
 It can be activated by any pulse (eg. by remote control) superior to 2s



### Hold on switched (Deadman) control:

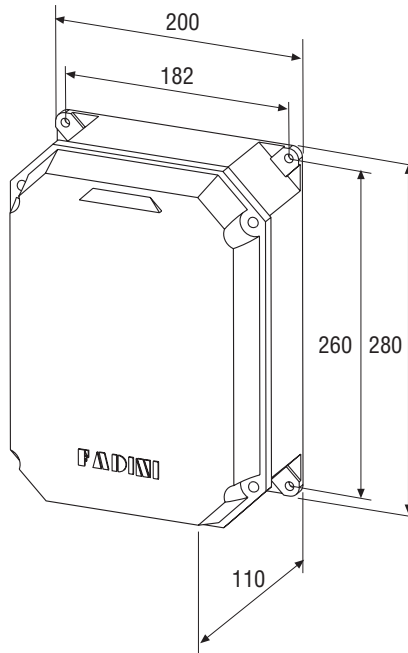
#### DIP-SWITCH 6

ON= Deadman Control. Dip-switch 4=OFF and Dip-switch 3=OFF  
 OFF= Standard Operations  
 6



### Led Status Indication:

- L1 = 230V 50Hz power supply. Alight
- L2 = Photocells, if obstructed light goes off
- L3 = Open. Alight whenever an Open pulse is given
- L4 = Close. Alight 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 moving
- L8 = Limit switch Close; off when gate is closed
- L9 = Limit switch Open; off when gate is open
- L10= It stays on for a time equal to the time set on T4 Trimmer



- I** - Prima dell'installazione da parte di personale tecnico qualificato, si consiglia di prendere visione del Libretto Normative di Sicurezza che la Meccanica Fadini mette a disposizione.
- GB** - Please note that installation must be carried out by qualified technicians following Meccanica Fadini's Safety Norms Manual.
- F** - L'installation doit être effectuée par un technicien qualifié suivant le manuel des Normes de Sécurité de Meccanica Fadini.
- D** - Vor der Montage durch einen Fachmann, wird es empfohlen die Anleitung zur Sicherheitsnormen, die Meccanica Fadini zur Verfügung stellt, nachzulesen.
- E** - Antes de la instalación por el personal técnico calificado, se recomienda leer detenidamente el Folleto de la Reglamentación de Seguridad que la empresa Meccanica Fadini pone a su disposición.
- NL** - Voordat de installatie door gekwalificeerd technisch personeel wordt uitgevoerd, wordt geadviseerd om het boekje met veiligheidsvoorschriften dat Meccanica Fadini ter beschikking stelt door te lezen.



**I** Direttiva **2003/108/CE**  
Smaltimento dei materiali  
elettrici ed elettronici

**VIETATO GETTARE NEI RIFIUTI  
MATERIALI NOCIVI PER L'AMBIENTE**

**GB** **2003/108/CE** Directive  
for waste electrical and  
electronic equipments

**DISPOSE OF PROPERLY  
ENVIRONMENT-NOXIOUS MATERIALS**



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