

FADINI
l'apricancello
Made in Italy

I

LIBRETTO DI ISTRUZIONI
Elpro PLUS
PER CANCELLI A BATTENTE

- MEMORIA DEI TEMPI DI LAVORO
- APERTURA PEDONALE
- SPIA DI SEGNALAZIONE DELLO STATO DELL'AUTOMAZIONE
- LUCE DI CORTESIA O ELETTROSERRATURA TEMPORIZZATA
- FUNZIONE OROLOGIO
- FUNZIONE PASSO PASSO
- COLPO D'ARIETE

pag. 1,2,3,4

GB

INSTRUCTIONS
Elpro PLUS
FOR SWINGING GATES

- MEMORY OF WORKING TIMES
- PARTIAL PEDESTRIAN OPENING
- GATE STATUS INDICATION BY LEDs
- COURTESY LIGHT OR TIMED ELECTRIC LOCK
- TIME CLOCK MODE
- STEP BY STEP MODE
- STROKE REVERSING PULSE

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NOTICES D'INSTRUCTION
Elpro PLUS
POUR PORTAILS A BATTANTS

- MEMOIRE DES TEMPS DE TRAVAIL
- OUVERTURE PIETONS
- VOYANT DE DIAGNOSTIC DE L'ETAT DE L'AUTOMATISME
- LUMIERE DE COURTOISIE OU ELECTROSERRURE TEMPORISEE
- FONCTION HORLOGE
- FONCTION PAS-PAS
- COUP DE BELIER

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D

ANLEITUNG
Elpro PLUS
FÜR DREHTORE

- EINSTELLZEITENSPEICHERUNG
- GEHTÜRFUNKTION
- RUCKARTIGE NACHZIEHBEWEGUNG ZUR ENTBLOCKUNG DES E-SCHLOSSES
- LED-FUNKTIONSKONTROLLE
- BELEUCHTUNG ODER E-SCHLOß MIT ZEITSCHALTER
- UHRFUNKTION
- IMPULSBETRIEB

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E

FOLLETO DE INSTRUCCIONES
Elpro PLUS
PARA VERJAS DE BATIENTE

- MEMORIA DE LOS TIEMPOS DE TRABAJO
- ABERTURA PEATONAL
- INDICADOR SEÑALIZACIÓN DEL ESTADO DE AUTOMACIÓN MANUAL DE INSTRUCCIONES
- LUZ INTERIOR O ELECTROCERRADURA TEMPORIZADA
- FUNCIÓN RELOJ
- FUNCIÓN PASO-PASO
- GOLPE DE ARIETE

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NL

HANDLEIDING
Elpro PLUS
VOOR DRAAIHEKKEN

- GEHEUGEN VAN DE WERKTIJDEN
- VOETGANGERSDOORGANG
- SIGNALERINGSLAMP AUTOMATISERINGSSTATUS
- SIGNALERINGSLAMP OF GETIMED ELEKTROSLOT
- KLOKFUNCTIE
- STAP-VOOR-STAP FUNCTIE
- EINDSTOOT

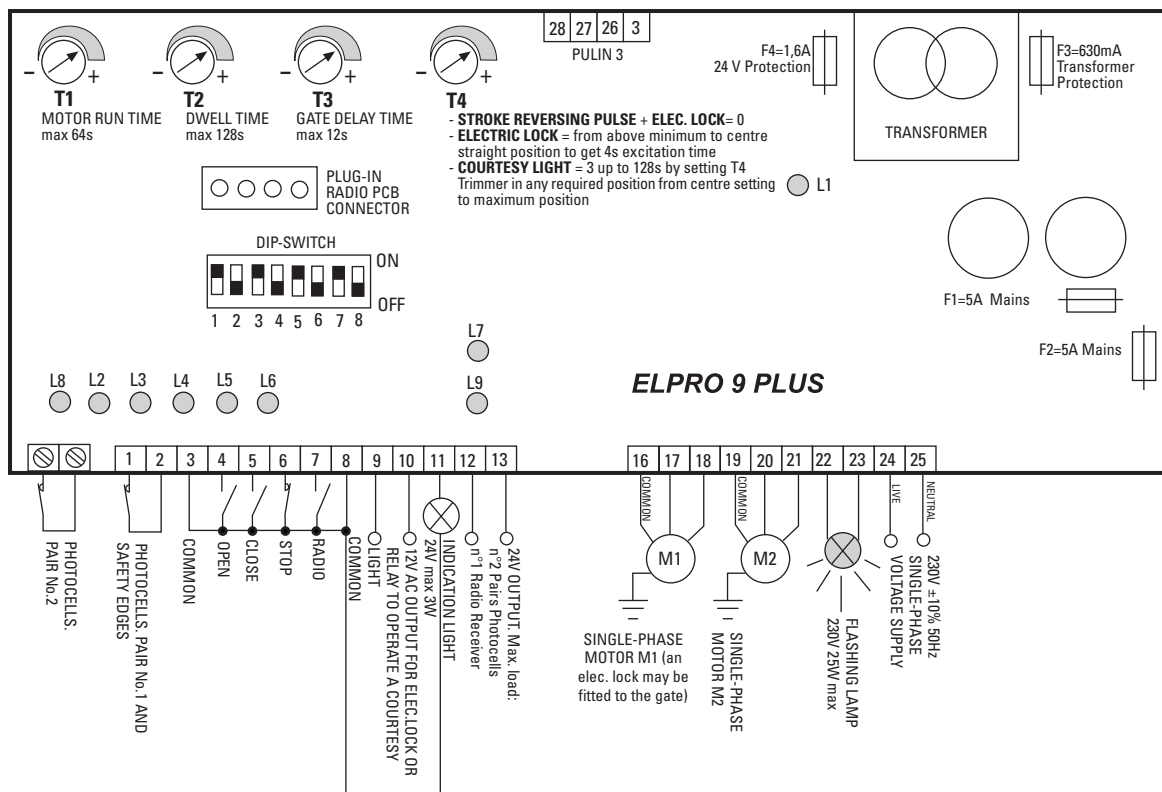
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Dis. N. 4192



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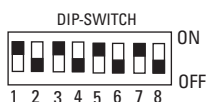


General description: the electronic control panel Elpro 9 Plus, new generation, is designed to operate swinging gates. Power supply is 230V single-phase. It is built in full compliance with the Low Voltage 2006/95 CE and Electro-Magnetic Compatibility 2004/108/CE & 92/31 CEE Regulations. Fitting operations 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 and reserves the right to change or update these instructions any time without previous notice. **Failure to follow installation regulations may result in serious damage to property and persons.**

- IMPORTANT:**
- The control panel is to be installed in a dry sheltered place inside its protection box
 - Make sure that the power supply to the electronic programmer is 230V $\pm 10\%$
 - Make sure that the power supply to the Electric Motor is 230V $\pm 10\%$
 - 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 magnetic-thermal circuit breaker
 - Use 1.5 mm² section wires for voltage supply, electric motor and flashing lamp for a max. distance of 50 m, and 1mm² section wires for the limit switches and the 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.: For applications such as light switching, CCTV etc. use solid state relays to prevent interference with 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 No lamp flashing on Dwell time, automatic mode
- 7= ON Memory of times in service
- 8= ON, 2 hour pulsing on gate in closed position



Trouble-shooting

- Make sure that the power supply to the electronic programmer is 230V $\pm 10\%$
- Make sure that the power supply to the Electric Motor is 230V $\pm 10\%$
- Check fuses
- Check photocells. Contact normally closed
- Check all contacts. They must be N.C.
- Check that no voltage drop occurs between the control panel and the electric motor

Equipment Status Indication by LEDs:

- L1= 230V mains supply is OK and F1,F2,F3,F4 fuses OK
- L2= Photocells No.1 or Safety Edge normally illuminated
- L3= Open. It illuminates whenever an Open pulse is given
- L4= Close. It illuminates whenever a Close pulse is given
- L5= Stop. It goes off whenever a Stop pulse is given
- L6= Radio, It illuminates whenever a transmitter button is pressed
- L7= 24V Gate Status Indicator. It flashes to indicate gate status
- L8= Photocells No. 2. Normally illuminated
- L9= Illuminated as long as the time set on T4 (Courtesy light)



FADINI
the gate opener
Made in Italy

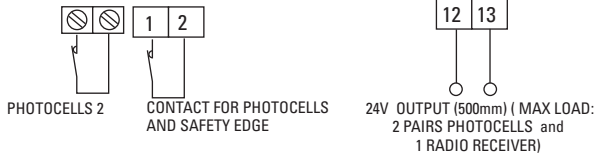
GB

Elpro·9 PLUS

FOR SWINGING GATES

LOW VOLTAGE ELECTRICAL CONNECTIONS

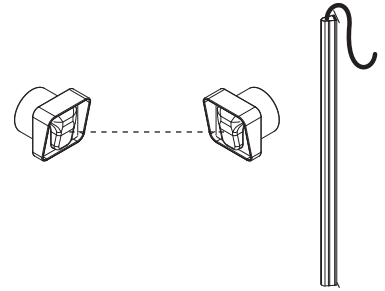
Photocells and Safety Edge:



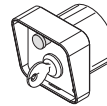
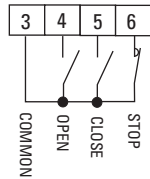
DIP-SWITCH 1:

ON: Photocells stop gates on Opening and reverse gate travel on Closing once obstacle has been removed

OFF: Photocells do not stop gates on Opening, reverse gate travel on Closing in case of an obstacle

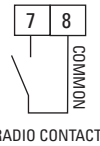


Keyswitch:



Radio Contact:

- Open/Close (Standard)
- Any new pulse reverses gate travel
- Step by Step



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

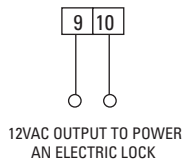
ON: No gate travel reversing on Opening

OFF: Any new pulse reverses gate travel

ON: Step by Step, Stop in between by remote control

OFF: Standard Operating Mode as pre-set

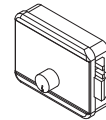
Electric lock:



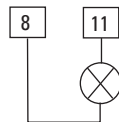
By setting T4 Trimmer (Ext. Trimmer) from above minimum position to straight centre position, the electric lock is excited for 4 seconds. M1 motor is able to take an electric lock.



T4 ABOVE MINIMUM TO STRAIGHT CENTRE POSITION. THE ELECTRIC LOCK IS EXCITED FOR 4 SECONDS

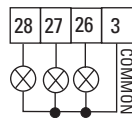


24V 3W Light for Gate Status Indication:

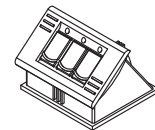
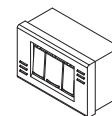


Light **On** = Gate Open
 Light **Off** = Gate Closed
 Flashing **0,5s (fast)** = Gate Closing
 Flashing **1s (standard)** = Gate opening
 Flashing **2s (slow)** = Gate Stopped

Push Button Switch Pulin3:

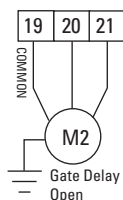
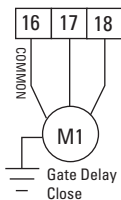


These LEDs indicate when Open - stop - Close commands are given



ELECTRIC POWER CONNECTIONS

Single-phase Motors (230V):



T1 MOTOR RUN TIME
max 64s

T2 DWELL TIME
max 128s

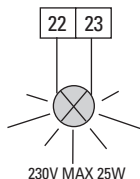
T3 GATE DELAY TIME:
0-3s= same Delay Time on Opening and Closing
longer than 3s= Delay Time is fixed 3 s on Opening
it varies from 3 to 12 s on Closing

DIP-SWITCH N°8

With gate in closed position, it is possible to pulse gate to close every two hours

ON: A pulse is given every two hours
 OFF: Two hours Pulsing Out of Service

Flashing Lamp:



DIP-SWITCH 4:

ON: Pre-flashing
 OFF: No pre-flashing

DIP-SWITCH 6:

ON: Lamp is Out of Service on Dwell Time on Automatic Mode
 OFF: Lamp flashes on Dwell Time on Automatic Mode



Voltage Supply:



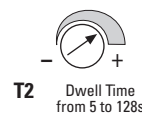
230V ±10% 50Hz
SINGLE-PHASE VOLTAGE SUPPLY

FUNCTIONS

Automatic/ Semi-automatic:

Automatic Mode: On pulsing to Open, the gate starts opening, stops to dwell as pre-set on T2 trimmer, on expiring of the pre-set time it starts closing automatically

Semi-automatic Mode: On pulsing to Open, the gate starts opening and stays open. A pulse to Close is needed to close the gate



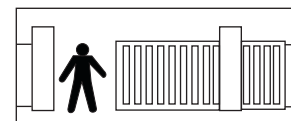
DIP-SWITCH 3

ON= Automatic Closing
 OFF= No Automatic Closing Semi-automatic Mode

Pedestrian Partial Opening:

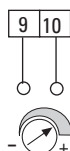
With the gate in closed position, it is possible to open the gate partially by giving a pulse to terminals 3 and 4 for 2 to 6 seconds max:

- a first pulse to Open operates M1 motor to open
- a second pulse to Open operates the other gate (M2 motor)



Courtesy Light:

Connect a 24VAC Modular Relay to operate a Courtesy Light Trimmer T4 from straight centre position to max. setting position: time can be adjusted from 128s to 3s



Stroke Reversing Pulse on Opening:

Before the gate starts opening, it is first pushed to Close direction for 3 seconds, a fixed time, to help the electric lock to disengage. T4 trimmer to the lowest



WITH T4 TO THE LOWEST THE TIME OF THE STROKE REVERSING PULSE IS 3s AND THAT OF THE ELECTRIC LOCK IS 4s

Time Clock Installation:

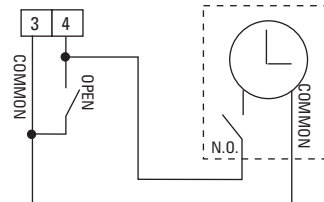
How it works: Set the clock to the required Open time. On the pre-set time the gate is automatically operated to open and stays open. No other commands are accepted (not even by remote control) until the time pre-set on the clock is expired. On expiring of the pre-set time, after the Dwell Time, the gate is automatically operated to close Dip-Switch N°3=ON.

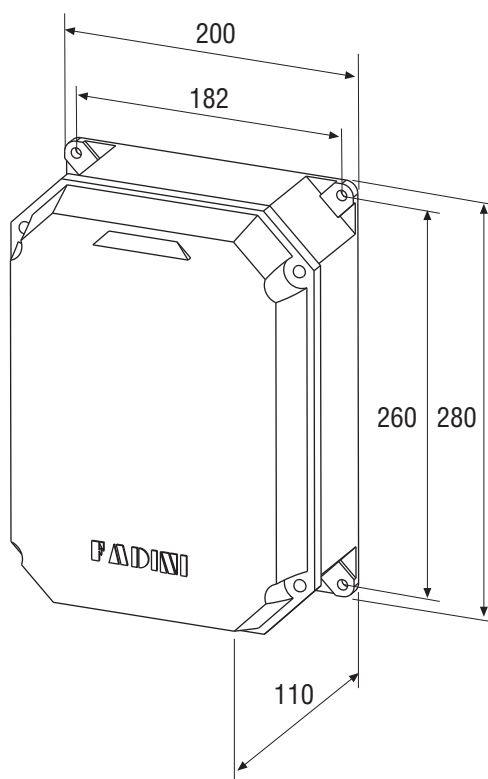
It is operated by giving an Open command superior to 6 seconds to terminals 3 and 4.

DIP-SWITCH N°3=ON Automatic Closing

ON= Automatic Closing
 OFF= No Automatic Closing Semi-automatic Mode

External Time Clock





CE

- 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 von einem 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** - Vóór installatie, dat door bevoegd technisch personeel moet worden uitgevoerd, wordt het aangeraden de Handleiding met de Veiligheidsnormen door te lezen die Meccanica Fadini tot beschikking stelt.



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