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Made in Italy

I

LIBRETTO DI ISTRUZIONI
Elpro•12 PLUS
MONOFASE PER
SCORREVOLE **NYOTA 115**

- FUNZIONE PASSO PASSO
- APERTURA PEDONALE
- DIAGNOSTICA A LED LUMINOSI
- SPIA DI SEGNALAZIONE DELLO STATO DELL'AUTOMAZIONE
- FUNZIONE OROLOGIO
- UOMO PRESENTE
- LUCE DI CORTESIA

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GB

INSTRUCTIONS
Elpro•12 PLUS
SINGLE-PHASE FOR
NYOTA 115 SLIDING GATE OPERATOR

- STEP BY STEP OPERATIONS
- PEDESTRIAN OPENING
- FAULT INDICATION BY LEDs
- GATE STATUS INDICATION
- TIME CLOCK OPTION
- HOLD-ON SWITCHED (DEADMAN) CONTROL
- COURTESY LIGHT

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NOTICES D'INSTRUCTION
Elpro•12 PLUS
MONOPHASE POUR
OUVRE-PORTAIL COULISSANT **NYOTA 115**

- FONCTION PAS-PAS
- OUVERTURE PIETON
- DIAGNOSE A LED VOYANT A DIODE
- SIGNALISATION DE L'ETAT DE L'AUTOMATION PAR LED
- FONCTION HORLOGE
- HOMME MORT
- LAMPE D'ECLAIRAGE

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D

ANLEITUNG
Elpro•12 PLUS
EINPHASIG FÜR
SCHIEBETORANTRIEBE **NYOTA 115**

- SCHRITT-IMPULS-FUNKTION
- GEHTÜRFUNKTION
- DIAGNOSE-LED
- AUTOMATION-STATUS ANZEIGELAMPE
- UHR-FUNKTION
- TOTMANN-BEDIENUNG
- DECKENLEUCHTE

Seite 1,11,12,13

E

FOLLETO DE INSTRUCCIONES
Elpro•12 PLUS
MONOFASICO PARA
VERJAS DESLIZANTES **NYOTA 115**

- FUNCIONAMIENTO PASO A PASO
- ABERTURA PARA PASO DE PEATONES
- DIAGNOSTICO POR MEDIO DE LED LUMINOSOS
- LÁMPARA TESTIGO QUE SEÑALA ELE ESTADO DEL AUTOMATISMO
- FUNCIÓN RELOJ
- HOMBRE PRESENTE
- LUZ AUXILIAR

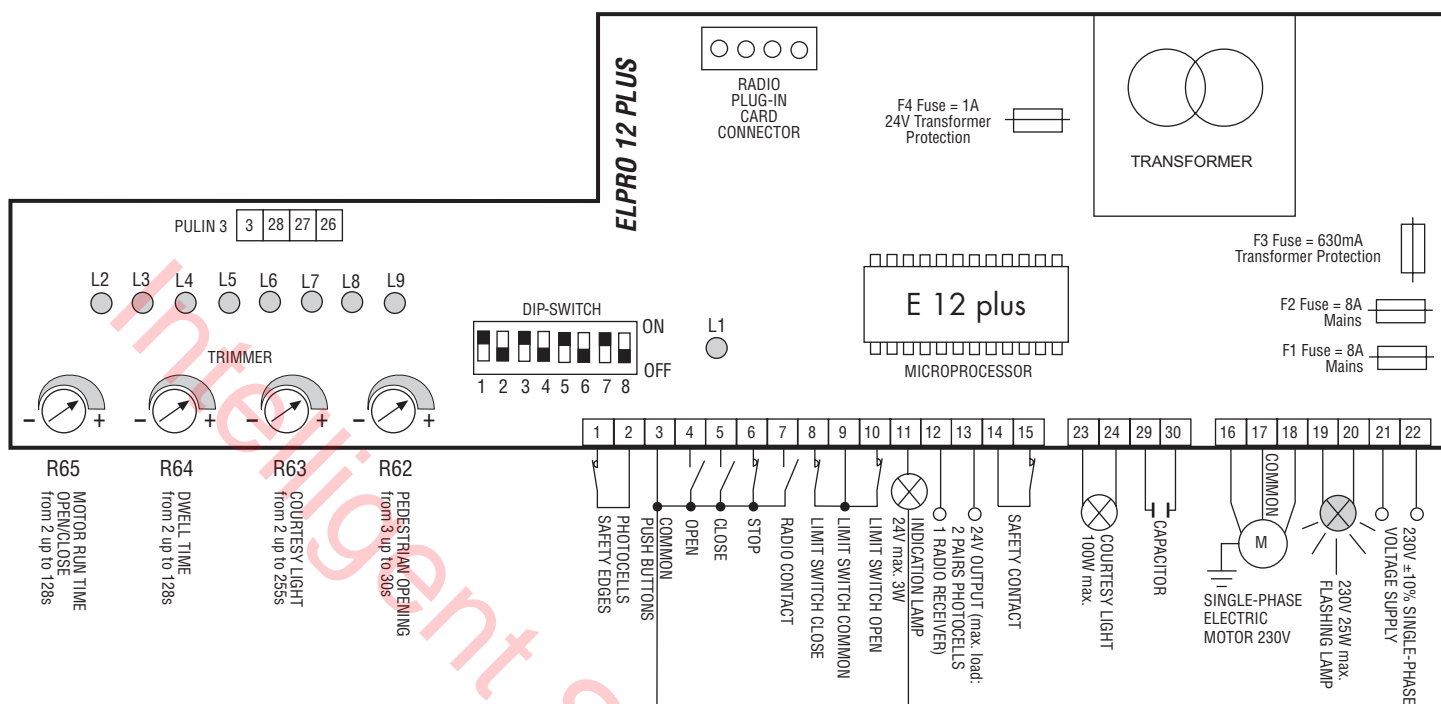
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NL

HANDLEIDING
Elpro•12 PLUS
EENFASE VOOR
SCHUIFHEKKEN **NYOTA 115**

- STAP-VOOR-STAP FUNCTIE
- VOETGANGERSDOORGANG
- DIAGNOSTIEK MET LICHTGEVENDE LEDS
- SIGNALERINGSLAMP AUTOMATISERINGSSTATUS
- KLOKFUNCTIE
- DODEMANSFUNCTIE
- SIGNALERINGSLAMP

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General description: 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 2006/95 CE Low Voltage and 2004/108/CEE & 92/31 CEE 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. **Failure to follow installation regulations may result into serious damage to property and persons.**



PLEASE NOTE:

- The control panel must be installed in a sheltered, dry place, inside the box provided with it.
 - Make sure that the power supply to the electronic programmer is 230V ±10%
 - Make sure that the power supply to the Electric Motor is 230V ±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 1.5mm² section wires for voltage supply, electric motor and flashing lamp. Maximum recommended distance 50m.
 - Use 1mm² 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



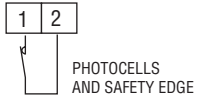
Led Status Indication:

- L1= 230V 50Hz power supply. A light
- L2= Photocells, if obstructed light goes off
- L3= Open. A light whenever an Open pulse is given
- L4= Close. A light 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

In case of failure of the panel:

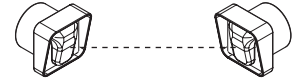
- Make sure that the power supply to the electronic programmer is 230V ±10%
- Make sure that the power supply to the Electric Motor is 230V ±10%
- For distances of over 50 metres we recommend using electric cables with bigger sections.
- Check fuses
- Check photocells if contacts are normally closed
- Check all NC contacts
- Check that no voltage drop has occurred from the control panel to the electric motor

LOW VOLTAGE ELECTRICAL CONNECTIONS

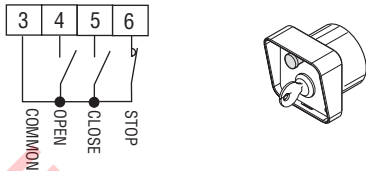


DIP-SWITCH 1:

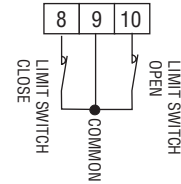
- ON: Photocells stop gate while opening, reverse it on closing once obstacle is removed
- OFF: Photocells do not stop gate while opening, reverse it on closing in case of an obstacle



Button switch:

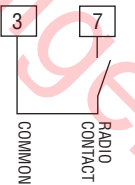


Limit switch:



Radio Contact:

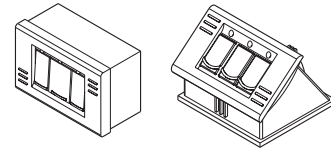
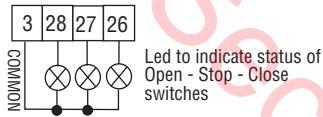
- Open/Close (Standard)
- Travel reversing on pulsing
- Step by step



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

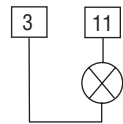
- ON: Gate is not reversed while opening
- OFF: Any pulse reverses the gate
- ON: Step by step. Stop in between
- OFF: Standard operating mode

Push Button Switch Pulin 3:

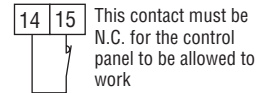


24V 3W Indication Light:

- 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

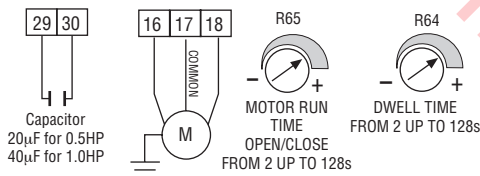


Safety Contact:

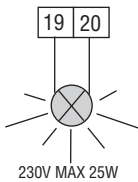


ELECTRICAL POWER CONNECTIONS

Capacitor and Single-phase Motor (230V):



Flashing lamp:

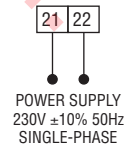


DIP-SWITCH 4 and 7:

- 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.

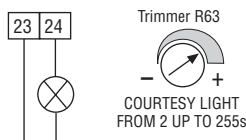


Power supply:



Courtesy light:

Connect a 24VAC Modular Relay (R63 Trimmer Time from 2s to 255s) to operate a 230V lamp

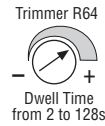


OPERATING MODES

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.

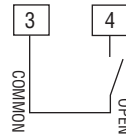


DIP-SWITCH 3

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

Pedestrian Opening:

Gate in fully closed position; an Open pulse opens the gate a span equals to the time set by Pedestrian Trimmer



Hold on switched (Deadman) control:

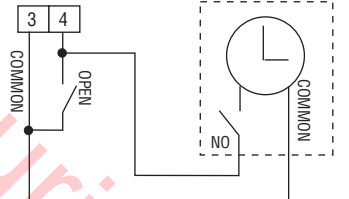
Open and Close operations are achieved "by holding a switch on" (no relay self-holding is involved) therefore a physical attendance is required to keep the gate opening or closing until either the button or key is released.

DIP-SWITCH 6

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

Time Clock Installation (Optional):

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



Intelligent Security & Fire Protection



- 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** - 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.



Via Mantova, 177/A - C.P. 126 - 37053 Cerea (Verona) Italy - Tel. +39 0442 330422 r.a. - Fax +39 0442 331054
e-mail: info@fadini.net - www.fadini.net