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l'apricancello
Made in Italy

I

Elpro 12 *PLUS*

MONOFASE PER SCORREVOLE NYOTA 115
LIBRETTO DI ISTRUZIONI

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

GB

Elpro 12 *PLUS*

SINGLE-PHASE FOR NYOTA 115 SLIDING GATE OPERATOR
INSTRUCTIONS

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

F

Elpro 12 *PLUS*

MONOPHASE POUR OUVRE-PORTAIL COULISSANT NYOTA 115
NOTICES D'INSTRUCTION

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

D

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EINPHASIG FÜR SCHIEBETORANTRIEBE NYOTA 115
ANLEITUNG

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

E

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MONOFASICO PARA VERJAS DESLIZANTES NYOTA 115
FOLLETO DE INSTRUCCIONES

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

Dis. N. 4086

meccanica FADINI

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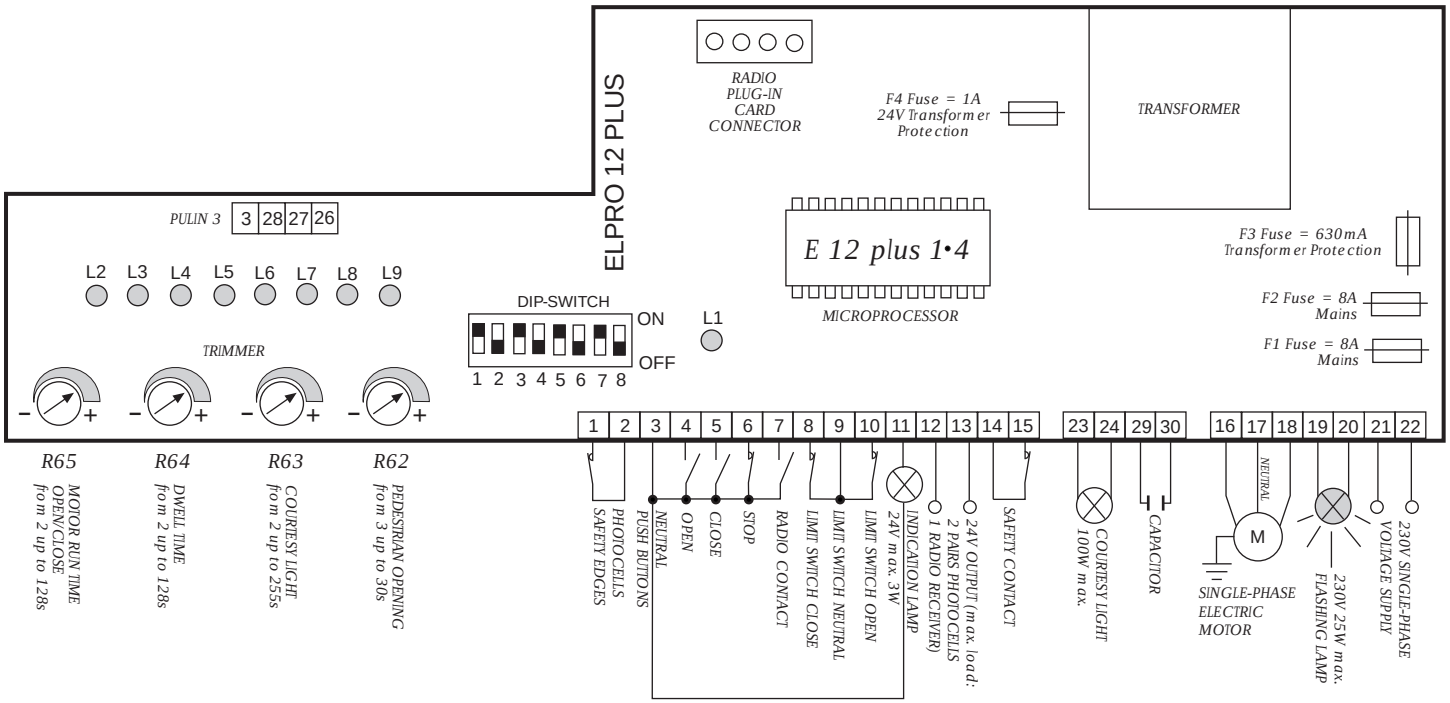
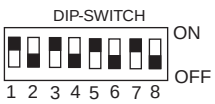


The electronic control panel Elpro 12 Plus, new generation, is designed to operate the sliding gate operator Nyota 115. Power supply is 230V 50Hz single-phase. Built in full compliance with BT 93/68/CE Low Voltage and EMC 93/68/CE Electro-Magnetic Compatibility Regulations. Fitting operations are recommended by a qualified technician in conformity to the existing safety standards.
The manufacturing company declines any responsability 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 1.5mm² 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

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. 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 opening
L8 = Limit switch Close; off when gate is closed
L9 = Limit switch Open; off when gate is open

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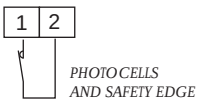
LOW VOLTAGE ELECTRICAL CONNECTIONS

Photocells and Safety Edge:

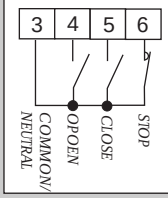


DIP-SWITCH 1:

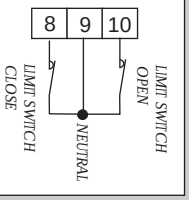
1 ON: Photocells stop gate while opening, reverse it once obstacle is removed

1 OFF: Photocells do not stop gate while opening, reverse it in case of an obstacle

Button switch:

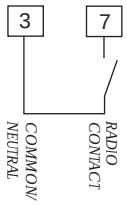


Limit switch:



Radio Contact:

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



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

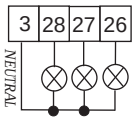
2 ON: Gate is not reversed while opening

2 OFF: Any pulse reverses the gate

5 ON: Step by step. Stop in between

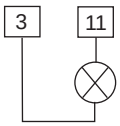
5 OFF: Standard operating mode

Push Button Switch Pulin 3:



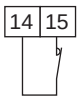
Led to indicate status of Open - Stop - Close switches

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

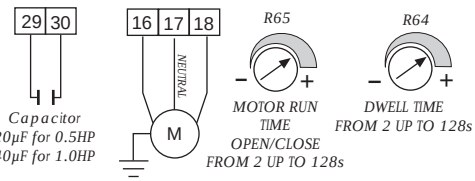
Safety Contact:



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

HIGH VOLTAGE ELECTRICAL CONNECTIONS

Capacitor and Single-phase Motor:

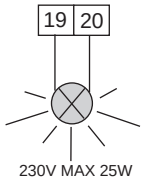


Capacitor
20µF for 0.5HP
40µF for 1.0HP

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

DWELL TIME
FROM 2 UP TO 128s

Flashing lamp:



230V MAX 25W

DIP-SWITCH 4 and 7:

4 ON: Pre-flashing

4 OFF: No pre-flashing

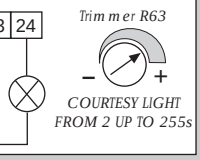
7 ON: Lamp is not operating during Dwell time. Automatic mode.

7 OFF: It flashes during Dwell Time. Automatic Mode.

Power supply:

POWER SUPPLY
230V 50Hz SINGLE-PHASE

Courtesy Light 230V max. 100W:



COURTESY LIGHT
FROM 2 UP TO 255s

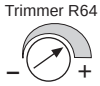
OPERATING MODES

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.

Trimmer R64



Dwell Time
from 2 to 128s

DIP-SWITCH 3

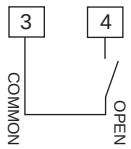
3 ON = Automatic Closing

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

Pedestrian Opening:

Trimmer R62

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 in involved) therefore a phisical attendance is required to keep the gate opening or closing until either the button or key is released.

DIP-SWITCH 6

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

6 OFF = Standard Operations

Time clock:

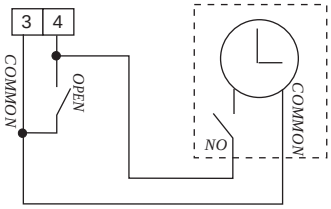
How it works: Set the clock to the required times. On the pre-set time the gate is automatically opened and held open. Any further pulsing (even by remote control) is not accepted by the system until the time pre-set by the clock has expired. On expiring and after the pre-set dwell time the gate is closed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

Pedestrian Trimmer R62
set on to zero

DIP-SWITCH No.3 = ON Automatic Closing

3 ON = Automatic Closing

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



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