



PNI MAP130

Sliding gate automation motor / Motor automatizare porti autoportante



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Warnings

For your safety and to obtain an automation system with a correct operation, make sure that the following conditions are met:

- » The gate structure must be adequate for the automation system
- » Make sure that the gates move correctly and evenly, without friction, along the entire length of their path
- » The wheels and rails of the gates must be in good condition, free of rust and well greased
- » The gates must be able to open and close freely, without obstacles
- » It is recommended to install a gate stop for the open position
- » DO NOT weld when the bearing is on the bearing sets, because it does not have perfect contact with the bearings and they get burr trying to make the table.
- » DO NOT weld with the motor mounted, as the motherboard will heat up and the wiring on the board will fail.

Safety information

- » Do not replace components and accessories other than those included or recommended by the manufacturer.
- » Before powering the system, make sure that all connections and cables are in good condition.
- » Turn off the power when performing maintenance operations.
- » Avoid the water control panel to avoid short circuits.
- » Do not power the motor, control panel or other accessories directly to the power source.
- » Do not pass through the gates when they open or close.
- » Keep the remote control in a safe place away from children.
- » Read all information and warnings in this manual carefully before putting the system into operation.
- » During the installation of the automation system, take measures regarding the safety of people and maintaining the integrity of the space in which you work.
- » The system has an overvoltage protection function to prevent damage to the device or injuries.
- » Install the automation system taking into account the weight, length and

height of the gate.

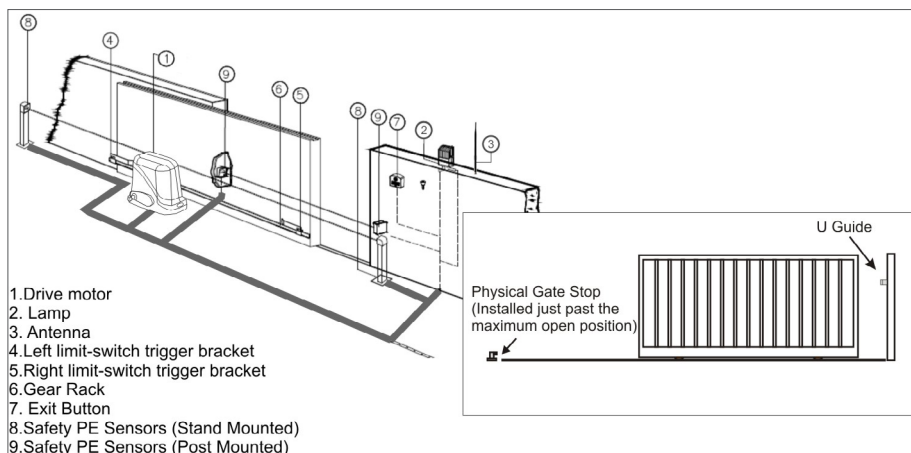
- » Safety sensors may not detect small obstacles such as children, animals or objects. It is your duty to ensure the safe operation of the gates.

Note: We do not take responsibility for any accidents or defects caused by improper installation of the gate automation system.

Package contents:

- Control unit
- 2 x remote controls
- 2 x keys
- 4 x mounting dowels
- 2 x limit trigger brackets

Installation scheme



Notes:

PNI MAP130 is the engine of a gate automation system. The other components described in the image above are not included.

For a complete gate automation system, we recommend purchasing the PNI AP800C self-supporting gate automation kit (product code: PNI-AP600C).

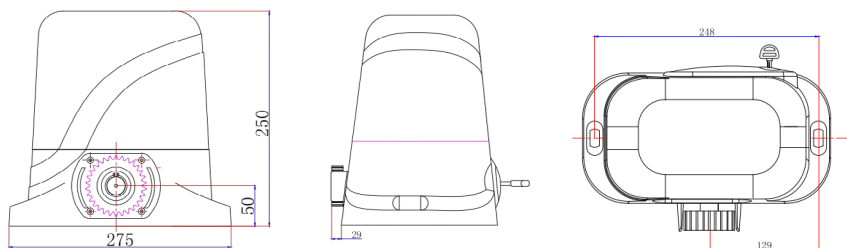
Technical specifications

- » Engine working temperature: $-26^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- » Control unit power supply: 230V
- » Power: 350W
- » Transmission mode output: $M = 4$
- » Torque: 30.0 N.m
- » Opening / closing speed: 12m / min
- » Rotations: 1400rpm
- » Pull force: 1100N (Newton)
- » Maximum load supported: 800 kg
- » Maximum communication distance with remote control: 50 m

Main features

- » Possibility to connect the photocell, access keyboard, access button and other access control accessories (not included)
- » Possibility to connect the safety lamp (not included)
- » Automatic closing
- » Adjustable sensitivity

Dimensions:



Important notes

- » Power the control unit to a separate 10A power supply.
- » Keep a distance between the rack and the gear of the engine so as not to overload the engine.

- » Install the stop in the opening direction of the gate to prevent the engine from running uncontrollably.

Engine installation

- » Choose your engine installation location carefully.
- » Temporarily place the engine mounting base at a distance of 35 mm from the gate. (Diagram 1)
- » Put the engine on the stand.
- » Test with a piece of rack positioned on the gear wheel if the engine is at the right height.
- » Make a drawing around the engine mounting bracket.
- » Lower the engine from the bracket.
- » Mark on the ground where you need to drill the 4 holes to fix the support. (Diagram 2)
- » Make 4 holes in the marked places.
- » Secure the bracket and motor using screws and dowels.

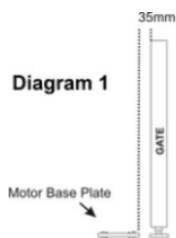
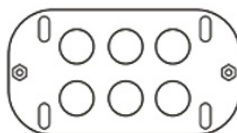
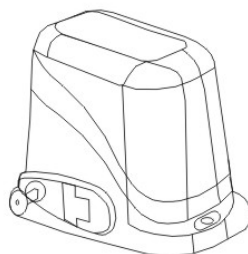
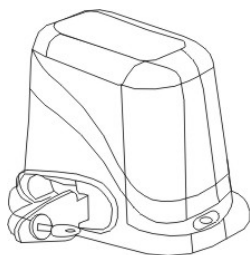


Diagram 2

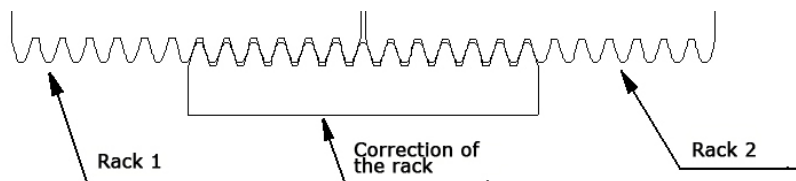


Rack installation (rack not included)

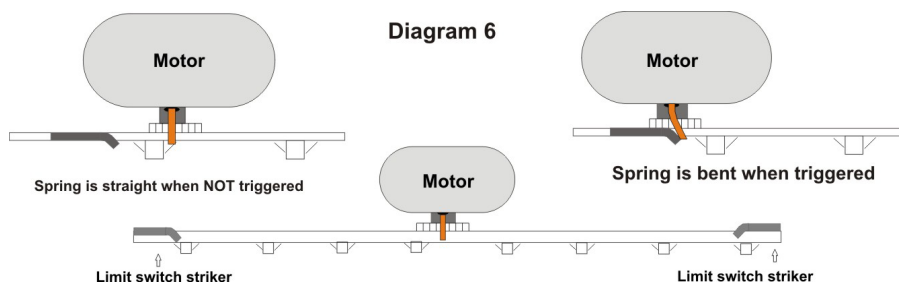
- » With the key included in the package, open and pull the lever to manually close the gate.



- » Position the first piece of rack on the gear leaving a space of 2-3 mm between the rack and the wheel, then fix it on the gear.
- » Manually move the gate back and forth to make sure the rack slides well on the gear.
- » Assemble the following pieces of rack, making sure they are perfectly in line with each other.
- » Manually move the gate back and forth after each piece of rack installed to make sure the gate slides easily.



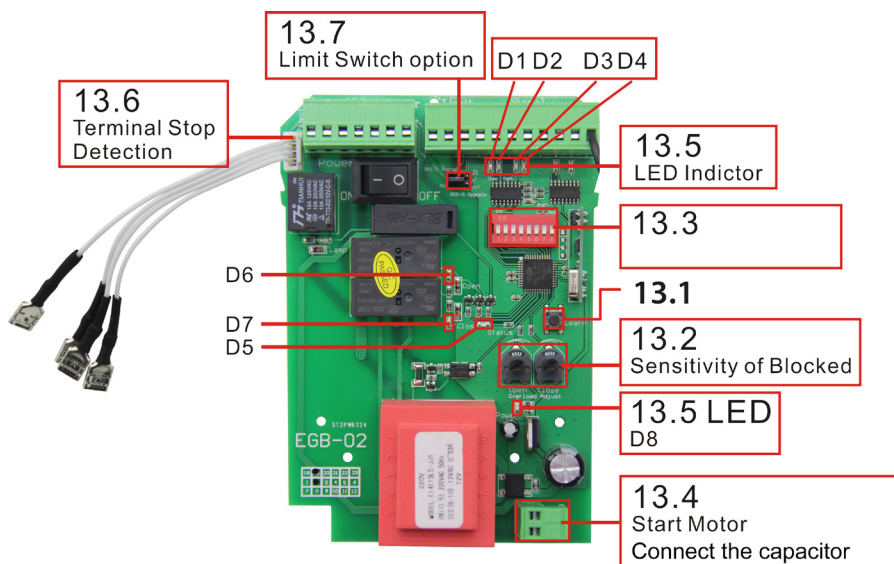
- » The stops must be installed now. They are mounted on the rack and lock the engine when the rack reaches the end, when the gate is opened or closed.



Power supply and installation testing

- » Check the cables and connections again
- » Close the gate manually
- » Connect the system to a 10A power supply
- » Press the number 1 key on the remote control
- » The gate should open and stop when it reaches the end of the race

Mainboard



13.1 - Pairing remote control

Press the LEARN button on the board (13.1). The D5 LED will flash for 10 seconds. During this time, press any key on the remote control. If the code has been learned, the D5 LED will flash twice. The remote control is now paired.

If no button is pressed, the D5 LED will turn off after 10 seconds, and the system will automatically exit the learning mode.

Hold down the LEARN button for 6 seconds, the D5 LED will flash, release the button. Now all the codes that were saved have been deleted.

The system can learn a maximum of 20 remote controls. If you try to pair more than that, the D5 LED will flash 5 times to confirm that the maximum number of remote controls has been reached.

In the remote control learning process, if you press button 1 or button 2 on the remote control, then button 1 will control the gate in "from car" mode: open-stop-closed, and button 2 will operate the gate in "pedestrian" mode. Buttons 3 and 4 have no function.

In the learning process the remote control, if you press button 3 or button

4 on the remote control, then button 3 will control the gate in “car” mode: open-stop-closed, and button 4 will operate the gate in “pedestrian” mode. Thus, you can pair the same remote control with 2 automation systems.

13.2 - Obstacle detection

We can set two sensitivity levels: High and Low.

A. High sensitivity: if the gate is opening or closing and encounters a small obstacle, then the engine will stop.

B. Low sensitivity: if the gate is opening or closing and encounters a large obstacle, then the engine will stop.

13.3 - Programming

A. DIP switch 1: Limit-switch mode selection

OFF: NC mode – normally closed contact (factory setting)

ON: NO mode – normally open contact

Opening and closing limit-switch direction setting (J1):

Standard configuration: The jumper connects pins 1 and 2 of connector J1 (factory setting).

If the motor is installed on the left side of the gate, move the jumper so that it connects pins 2 and 3 of connector J1.

Inertia compensation at the opening and closing limits

When a limit switch is triggered, the motor briefly reverses to compensate for inertia and reduce overshooting of the stopping position.

Disabling the function: Short-circuit the OPEN and COM terminals on the control board, then power on the control board. If the lamp indicator LED flashes once, the function has been disabled.

Enabling the function: Short-circuit the OPEN and COM terminals on the control board, then power on the control board. If the lamp indicator LED flashes twice, the function has been enabled.

B. DIP switch 2: Safety photocell mode

OFF: NO mode – normally open contact (factory setting)

ON: NC mode – normally closed contact

If no safety photocells are installed, do not remove the copper jumper.

Otherwise, the gate will not close.

If safety photocells are installed, remove the copper jumper from the safety-photocell terminals on the control board.

If the auto-closing delay after full opening is enabled, the gate will close automatically after the safety-photocell signal is restored. The automatic closing cycle will not begin while the photocells are detecting an obstacle.

C. DIP switches 3 and 4: Auto-closing delay after full opening

The auto-close function is activated after the gate has fully opened and stopped at the limit switch.

DIP 3 and 4 – OFF/OFF: Auto-close disabled (factory setting)

DIP 3 and 4 – ON/OFF: 10 seconds

DIP 3 and 4 – OFF/ON: 30 seconds

DIP 3 and 4 – ON/ON: 60 seconds

D. DIP switches 5 and 6: Auto-closing delay in pedestrian mode

When pedestrian mode is activated using the remote control (button 2 or 4), the gate opens for 6 seconds and then stops. If the auto-close function is enabled, the gate will close automatically after the selected delay.

DIP 5 and 6 – OFF/OFF: Auto-close disabled (factory setting)

DIP 5 and 6 – ON/OFF: 5 seconds

DIP 5 and 6 – OFF/ON: 10 seconds

DIP 5 and 6 – ON/ON: 30 seconds

E. DIP switch 7: Condominium mode setting

OFF: Condominium mode disabled (factory setting).

ON: Condominium mode enabled.

While the gate is opening, commands from the remote control and the START input are ignored until the gate is fully open.

While the gate is closing, a command from the remote control or the START input stops the closing operation and automatically opens the gate until it reaches the open limit. During opening, commands from the remote control and the START input are ignored.

F. DIP switch 8: Remote-control button mode

OFF – Single-button sequential control:

The first button sequentially controls gate opening, stopping and closing. The second button activates pedestrian mode.

ON – Three-button control:

The first button opens the gate, the second button closes it, the third button stops it, and the fourth button activates pedestrian mode.

Note: Select the remote-control operating mode before clearing the remote-control codes from the control board's memory.

13.4 Capacitors for starting the engine

The capacitors are connected to the motherboard. Make sure the capacitor interface is secure. Please refer to the motherboard configuration in the image on the previous page.

13.5 LED indicators

D1: LED on - the gate is not completely closed

Led off - the gate is completely closed

D2: LED on - the gate is not fully open

Led off - the gate is fully open

D3: LED on - if you give, for example, the opening command from two connected access terminals, the LED will flash to warn that the same command has been given.

D4: Led on - infrared sensors have not detected any obstacles

LED off - infrared sensors have detected an obstacle. The engine will stop.

D6: Led on - gate opening

D7: Led on - door closed

D8: LED on - the motherboard is powered

13.6 Terminal stop detection interface:

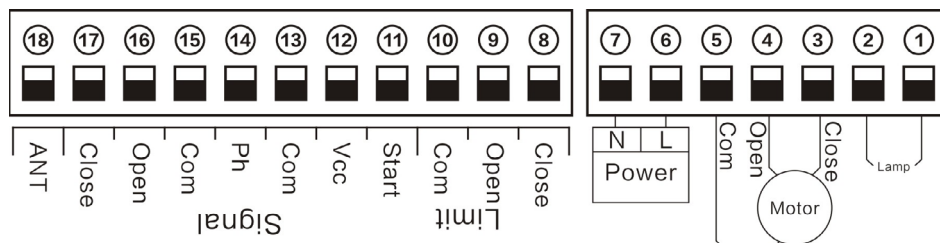
It has 2 modes: one opens the gate and one closes the gate in normal operation.

13.7 Open / close limit setting (J1):

Jumper J1 communicates to the terminal 13.6 the direction of opening and closing the gate. Jumper J1 variants:

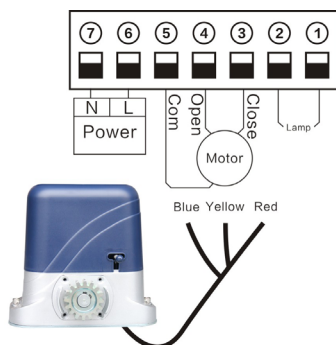
1. NO1-NO2 - Normal opening (Motor on the left of the gate inside);
2. NO2-NO3 - Opening in the opposite direction. (Motor to the right of the gate inside) It requires changing the direction of the motor supply (see installation and motor connection chapter).

Electrical components installation diagram



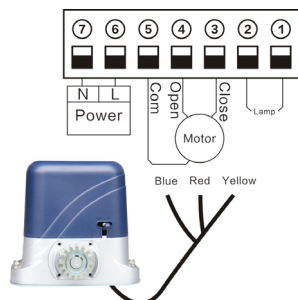
» Terminals 6 and 7 are for 230V connection

We recommend installing the engine to the right of the gate (seen from the inside):



- » Terminal 3 - connect the red wire to the motor
- » Terminal 4 - connect the yellow wire to the motor
- » Terminal 5 - connect the blue wire to the motor

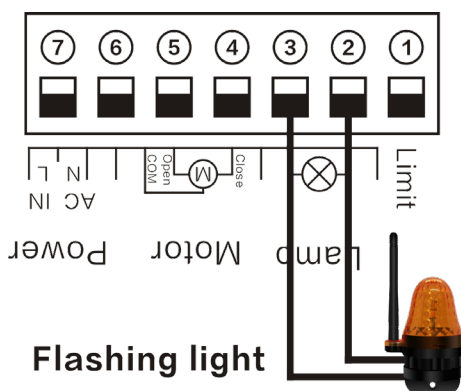
Installing the engine to the left of the gate (seen from the inside):



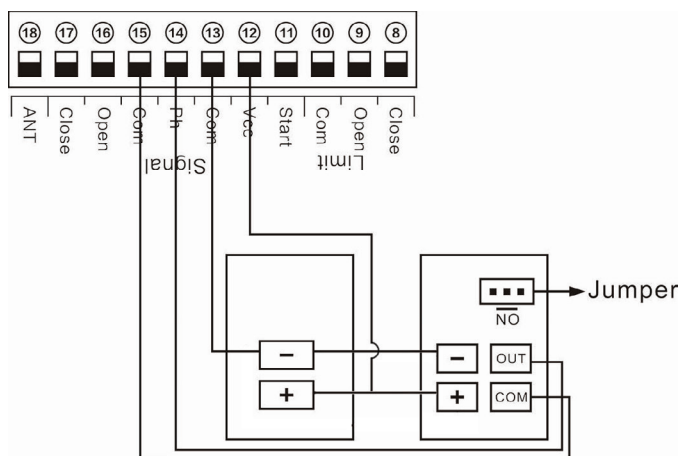
- » Terminal 4 - connect the red wire to the motor
- » Terminal 5 - connect the blue wire to the motor
- » Terminal 3 - connect the yellow wire to the motor

Note: For mounting the motor on the right side of the gate (inside view), when you change the black and the green wire, check if the motor closes and stops normally. If not, change the position of jumper J1 in the opposite direction. For example, if J1 is now on position 1 and 2, then change J1 to position 2 and 3.

Warning lamp connection (not included)



Infrared sensor connection (not included)



- Remove the wire between terminal 14 and 15.
- Connect terminal 15 to the COM terminal and terminal 14 to the OUT terminal of the sensor.
- Terminals 12 and 13 power the sensor. Thus, connect terminal 12 to “+” (plus), and terminal 13 to “-” (minus).

Note: From the factory, the system board is set to connect the NO photocell. Therefore, keep the jumper in the NO position, as seen in the image above.

Opening device connection (not included)

If you do not want to use the remote control to control the gates, connect the external gate actuator to the terminal 11, such as the access button, the access keypad, etc.

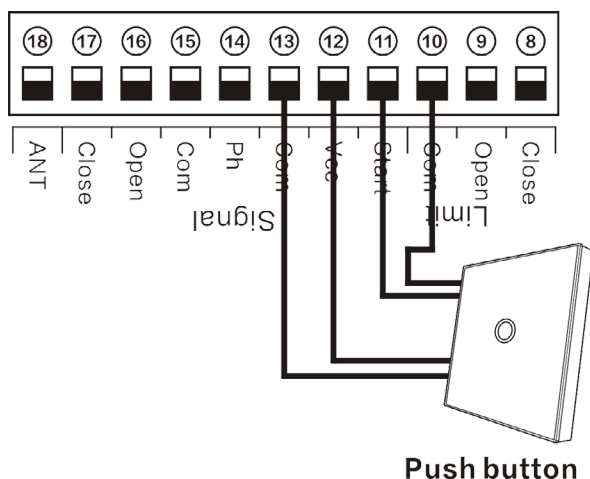


Diagram example when connecting an access button:

Connect the access button to terminals 10 and 11. Terminals 12 and 13 are for powering the access button.

Maintenance instructions

- » The rack and gear must always be kept clean, free of objects that could become an obstacle in opening or closing the doors.

- » Lubricants all moving parts of the automation system once every 3 months.
- » If the control panel is powered by a backup battery, check the battery monthly and replace it if necessary.
- » Periodically check the condition of cables and connections.
- » Make sure that no water enters the engine.

Atentionari

Pentru siguranta dvs. si pentru obtinerea unui sistem de automatizare cu o functionare corecta, asigurati-va ca sunt indeplinite urmatoarele conditii:

- » Structura portii trebuie sa fie adecvata sistemului de automatizare
- » Asigurati-va ca portile se misca corect si uniform, fara frecare, pe toata lungimea traseului lor
- » Rotile si sinele portilor trebuie sa fie in stare buna, fara rugina si sa fie bine gresate
- » Portile trebuie sa poata fi deschise si inchise in mod liber, fara obstacole
- » Se recomanda instalarea unui limitator de cursa pentru pozitia deschis
- » NU sudati cand poarta este pe seturile de rulmenti, deoarece nu are contact perfect la rulmenti si acestia capata bavura incercand sa faca masa.
- » NU sudati cu motorul montat, deoarece se incalzeste placa de baza a motorului si se defecteaza cablajul de pe placa.

Informatii de siguranta

- » Nu inlocuiti componente si accesorii cu altele decat cele incluse sau recomandate de producator.
- » Inainte de a alimenta sistemul, asigurati-va ca toate conexiunile si cablurile sunt in stare buna.
- » Intrerupeti alimentarea cand efectuati operatiuni de intretinere.
- » Feriti panoul de control de apa, pentru a evita producerea de scurtcircuite.
- » Nu alimentati motorul, panoul de control sau alte accesorii direct la sursa de curent.
- » Nu treceti prin dreptul portilor cand acestea se deschid sau se inchid.
- » Pastrati telecomanda intr-un loc sigur, ferit de copii.
- » Cititi cu atentie toate informatiile si atentionarile din acest manual inainte de punerea in functiune a sistemului.
- » In timpul instalarii sistemului de automatizare, luati masuri privind siguranta persoanelor si pastrarea integritatii spatiului in care lucrati.
- » Sistemul are o functie de protectie la supratensiune, pentru a preveni deteriorarea dispozitivului sau accidentarele.
- » Instalati sistemul de automatizare tinand cont de greutatea, lungimea si inaltimea portii.

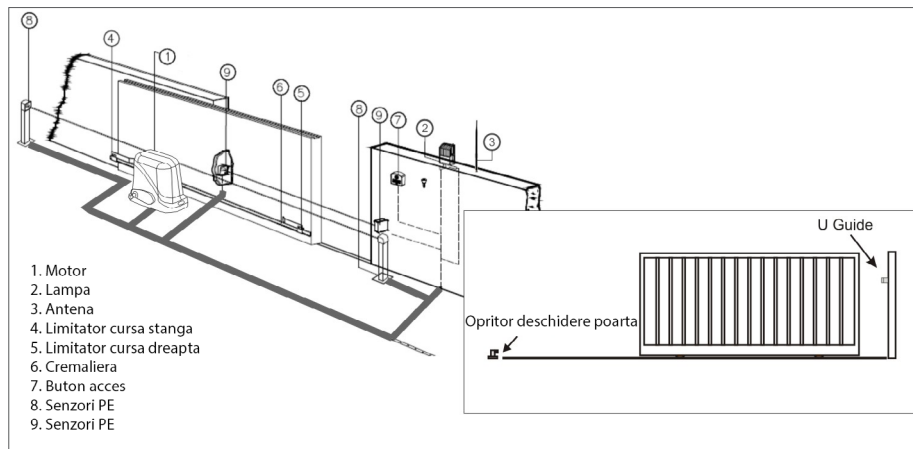
- » Senzorii de siguranta pot sa nu detecteze obstacole mici cum ar fi copii, animale sau obiecte. Este datorita dvs. sa asigurati functionarea in conditii de siguranta a portilor.

Nota: Nu ne asumam raspunderea pentru eventualele accidente sau defectiuni cauzate de instalarea necorespunzatoare a sistemului de automatizare porti.

Continut pachet:

- Unitate de control
- 2 x telecomenzi
- 2 x chei
- 4 x dibluri montaj
- 2 x limitatoare capete cursa

Schema de instalare



Note:

PNI MAP130 este motorul unui sistem de automatizare porti. Celelalte componente descrise in imaginea de mai sus nu sunt incluse.

Pentru un sistem complet de automatizare porti, recomandam achizitionarea kit-ului de automatizare porti autoportante PNI AP800C (cod produs: PNI-AP600C).

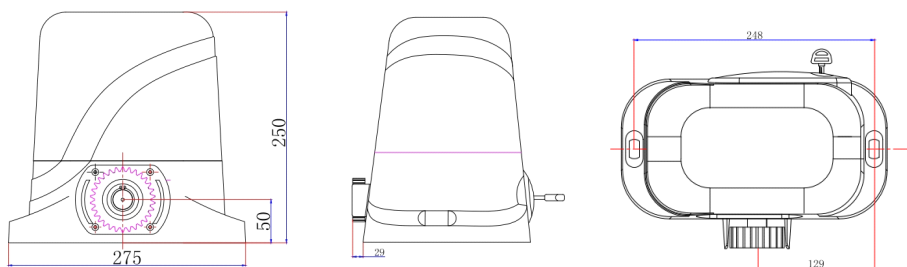
Specificatii tehnice

- » Temperatura de lucru pentru motor: $-26^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- » Alimentare unitate de control: 230V
- » Putere: 350W
- » Iesire modul de transmisie: $M=4$
- » Cuplu: 30.0 N.m
- » Viteza de deschidere/inchidere: 12m/min
- » Rotatii: 1400rpm
- » Forta de tragere: 1100N (Newton)
- » Sarcina maxim suportata: 800 kg
- » Distanța maximă de comunicare cu telecomanda: 50 m

Caracteristici principale

- » Posibilitate conectare fotocelula, tastatura de acces, buton de acces si alte accesorii de control acces (nu sunt incluse)
- » Posibilitate conectare lampa de avertizare (nu este inclusa)
- » Inchidere automata
- » Sensibilitate reglabila

Dimensiuni:



Note importante

- » Alimentati unitatea de control la o sursa de curent separata cu siguranta de 10A.

- » Asigurați o distanță între cremaliera (nu este inclusă) și roata dintată a motorului pentru a nu încărca excesiv motorul.
- » Instalați limitatorul de cursă în direcția de deschidere a porții pentru a evita ca motorul să ruleze fără control.

Instalare motor

- » Alegeți cu grijă locația de instalare a motorului.
- » Amplasați temporar baza de fixare a motorului la o distanță de 35 mm de poartă. (Diagrama 1)
- » Puneți motorul pe suport.
- » Testați cu o bucată de cremalieră poziționată pe roata dintată a motorului dacă motorul este la înălțimea potrivită.
- » Faceți un desen în jurul suportului de fixare a motorului.
- » Dați motorul jos de pe suport.
- » Marcați pe sol locul în care trebuie să dați cele 4 găuri pentru fixarea suportului. (Diagrama 2)
- » Faceți 4 găuri în locurile marcate.
- » Fixați suportul și motorul folosind suruburi și dibluri.

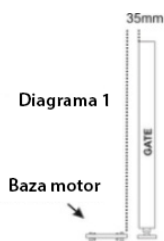
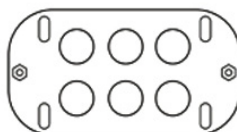
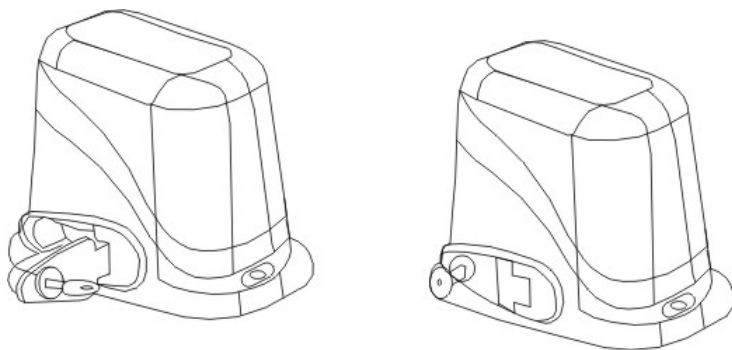


Diagrama 2

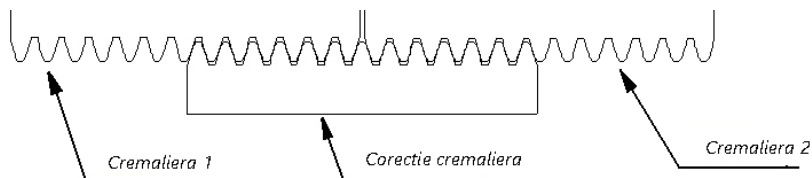


Instalare cremaliera (nu este inclusă)

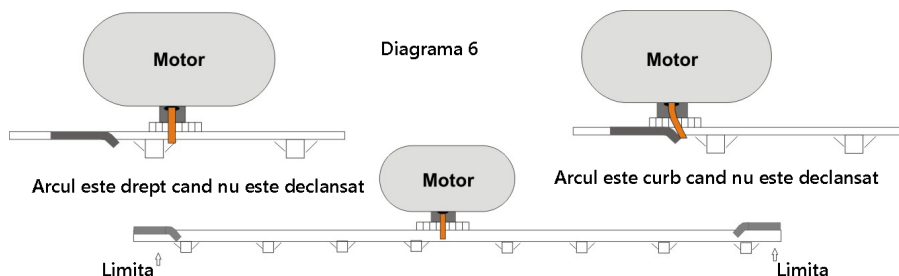
- » Cu cheia inclusă în pachet, deschideți și trageți maneta pentru a închide manual poarta.



- » Pozitionati prima bucata de cremaliera pe roata dintata lasand un spatiu de 2-3 mm intre cremaliera si roata, apoi fixati-o pe poarta.
- » Miscati manual poarta inainte si inapoi pentru a va asigura ca cremaliera aluneca bine pe roata dintata.
- » Montati si urmatoarele bucati de cremaliera asigurandu-va ca sunt perfect in linie una cu alta.
- » Miscati manual poarta inainte si inapoi dupa fiecare bucata de cremaliera instalata pentru a va asigura ca poarta culiseaza usor.



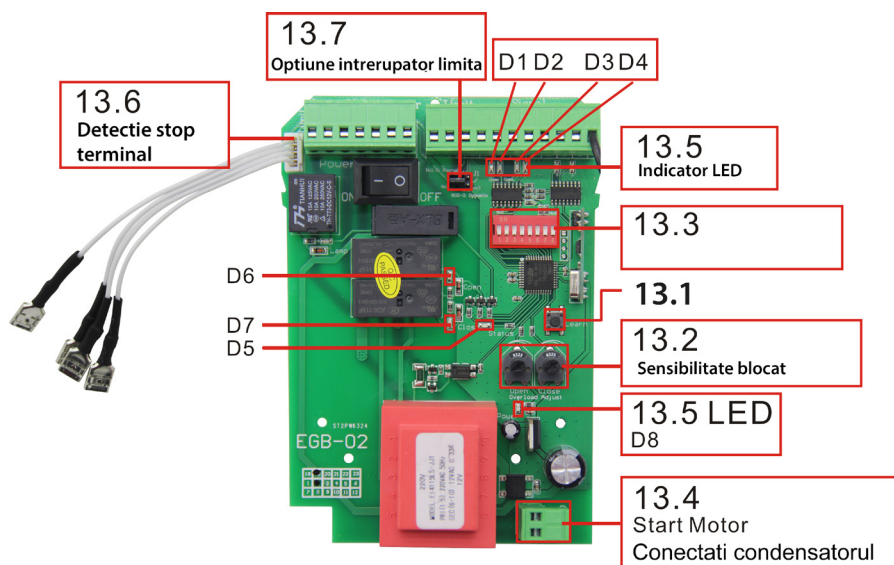
- » Limitatoarele de cursa trebuie instalate acum. Ele se monteaza pe cremaliera si blocheaza motorul cand cremaliera ajunge la capat, la deschiderea sau inchiderea portii.



Alimentarea si testarea instalatiei

- » Mai verificati inca o data cablurile si conexiunile
- » Inchideti poarta manual
- » Conectati sistemul la o sursa de alimentare de 10A
- » Apasati tasta numarul 1 de pe telecomanda
- » Poarta ar trebui sa se deschida si sa se opreasca cand ajunge la capatul cursei

Placa de baza



13.1 - Imperechere telecomanda

Apasati butonul LEARN de pe placa (13.1). Ledul D5 va clipi timp de 10 secunde. In acest timp, apasati orice tasta de pe telecomanda. Daca a fost invatat codul, ledul D5 va clipi de doua ori. Telecomanda este acum imperecheata.

Daca nu se apasa nici un buton, ledul D5 se va stinge dupa 10 secunde, iar sistemul va iesi automat din modul de invatare.

Tineti apasat butonul LEARN timp de 6 secunde, ledul D5 va clipi, eliberati butonul. Acum, toate codurile care au fost memorate au fost sterse.

Sistemul poate invata maxim 20 de telecomenzi. Daca incercati sa imperecheati mai mult de atat, ledul D5 va clipi de 5 ori pentru a confirma ca numarul maxim de telecomenzi a fost atins.

In procesul de invatare telecomanda, daca apasati butonul 1 sau butonul 2 de pe telecomanda, atunci butonul 1 va comanda poarta in modul “din masina”: deschis-stop-inchis, iar butonul 2 va actiona poarta in modul “pieton”. Butoanele 3 si 4 nu au nici o functie.

In procesul de invatare telecomanda, daca apasati butonul 3 sau butonul 4 de pe telecomanda, atunci butonul 3 va comanda poarta in modul “din masina”: deschis-stop-inchis, iar butonul 4 va actiona poarta in modul “pieton”.

Astfel, puteti imperechea aceeasi telecomanda cu 2 sisteme de automatizare.

13.2 - Detectie obstacol

Putem seta doua niveluri de sensibilitate: High (mare) si Low (mica).

A. Sensibilitate mare: daca poarta este in deschidere sau inchidere si intampina un obstacol mic, atunci motorul se va opri.

B. Sensibilitate redusa: daca poarta este in deschidere sau inchidere si intampina un obstacol mare, atunci motorul se va opri.

13.3 - Programare

A. Comutatorul DIP 1: Selectarea modului limitatoarelor de cursa

OFF: Mod NC – contact normal inchis (setare din fabrica)

ON: Mod NO – contact normal deschis

Setarea directiei limitatoarelor de deschidere si inchidere (J1):

Configuratie normala: jumperul scurtcircuiteaza simultan pinii 1 si 2 ai conectorului J1 (setare din fabrica).

Daca motorul este instalat in partea stanga a portii, mutati jumperul astfel incat sa scurtcircuiteze simultan pinii 2 si 3 ai conectorului J1.

Compensarea inertiei la atingerea limitatoarelor de cursa

La activarea limitatorului de cursa pentru deschidere sau inchidere, motorul isi inverseaza pentru scurt timp sensul de rotatie pentru a compensa inertia si a reduce depasirea pozitiei de oprire.

Dezactivarea functiei: scurtcircuitati bornele OPEN si COM de pe placa de control, apoi alimentati placa. Daca indicatorul LED al lampii clipeste o

singura data, functia a fost dezactivata.

Activarea functiei: scurtcircuitati bornele OPEN si COM de pe placa de control, apoi alimentati placa. Daca indicatorul LED al lampii clipeste de doua ori, functia a fost activata.

B. Comutatorul DIP 2: Modul fotocelulelor de siguranta

OFF: Mod NO – contact normal deschis (setare din fabrica)

ON: Mod NC – contact normal inchis

Daca nu instalati fotocelule de siguranta, nu indepartati puntea din cupru. In caz contrar, poarta nu se va putea inchide.

Daca instalati fotocelule de siguranta, indepartati puntea din cupru de pe bornele dedicate fotocelulelor de pe placa de control.

Daca temporizarea inchiderii automate dupa deschiderea completa este activata, poarta se va inchide automat dupa disparitia semnalului de la fotocelule. Cat timp fotocelulele detecteaza un obstacol, inchiderea automata nu va fi initiata.

C. Comutatoarele DIP 3 si 4: Temporizarea inchiderii automate dupa deschiderea completa. Functia de inchidere automata se activeaza dupa ce poarta s-a deschis complet si s-a oprit la atingerea limitatorului de cursa.

DIP 3 si 4 – OFF/OFF: functia de inchidere automata este dezactivata (setare din fabrica)

DIP 3 si 4 – ON/OFF: 10 secunde

DIP 3 si 4 – OFF/ON: 30 de secunde

DIP 3 si 4 – ON/ON: 60 de secunde

D. Comutatoarele DIP 5 si 6: Temporizarea inchiderii automate la activarea modului pietonal. Cand modul pietonal este activat de la telecomanda (butonul 2 sau 4), poarta se deschide timp de 6 secunde, dupa care se opreste. Daca functia de inchidere automata este activata, poarta se va inchide automat dupa expirarea intervalului setat.

DIP 5 si 6 – OFF/OFF: functia de inchidere automata este dezactivata (setare din fabrica)

DIP 5 si 6 – ON/OFF: 5 secunde

DIP 5 si 6 – OFF/ON: 10 secunde

DIP 5 si 6 – ON/ON: 30 de secunde

Nota:

Cand motorul este in functiune, acesta se va opri imediat daca este activat modul pietonal.

Dupa activarea modului pietonal, poarta se deschide timp de 6 secunde. Indiferent daca sistemul se afla in numaratoarea inversa pentru inchidere sau in stare de oprire, o noua activare a modului pietonal va determina inchiderea imediata a portii.

E. Comutatorul DIP 7: Setarea modului pentru condominiu

OFF: Modul pentru condominiu este dezactivat (setare din fabrica).

ON: Modul pentru condominiu este activat.

Cand poarta se deschide, comenzile primite de la telecomanda si de la intrarea START sunt ignorate pana cand poarta este complet deschisa.

Cand poarta se inchide, o comanda primita de la telecomanda sau de la intrarea START opreste inchiderea si determina deschiderea automata a portii pana la atingerea limitatorului de deschidere. In timpul deschiderii, comenzile de la telecomanda si de la intrarea START sunt ignorate.

F. Comutatorul DIP 8: Modul butoanelor telecomenzii

OFF – Control secvential cu un singur buton:

Primul buton controleaza secvential deschiderea, oprirea si inchiderea portii.

Al doilea buton activeaza modul pietonal.

ON – Control cu trei butoane:

Primul buton controleaza deschiderea portii, al doilea buton controleaza inchiderea, al treilea buton opreste poarta, iar al patrulea buton activeaza modul pietonal.

Nota: Selectati modul de functionare al telecomenzii inainte de stergerea codurilor telecomenzilor din memoria placii de control.

13.4 Condensatoare pentru pornirea motorului

Condensatoarele sunt conectate pe placa de baza. Asigurati-va ca interfata condensatoarelor este sigura. Va rugam sa consultati configurarea placii de baza in imaginea de pe pagina anterioara.

13.5 Indicatoare LED

D1: Led aprins - poarta nu este complet inchisa

Led stins - poarta este complet inchisa

D2: Led aprins - poarta nu este complet deschisa

Led stins - poarta este complet deschisa

D3: Led aprins - daca dati, de exemplu, comanda de deschidere din doua terminale de acces conectate, ledul va clipi pentru a avertiza ca s-a dat aceeaasi comanda.

D4: Led aprins - senzorii infrarosu nu au detectat nici un obstacol

Led stins - senzorii infrarosu au detectat un obstacol. Motorul se va opri.

D6: Led aprins - poarta in deschidere

D7: Led aprins - poarta in inchidere

D8: Led aprins - placa de baza este alimentata

13.6 Terminal interfata detectie oprire:

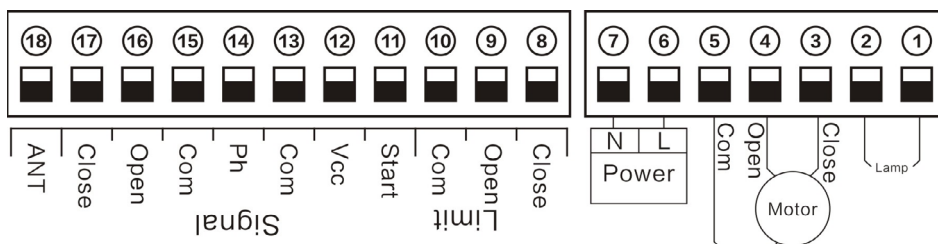
Are 2 moduri: unul deschide poarta si unul inchide poarta in modul normal de functionare.

13.7 Setare limita deschidere/inchidere (J1):

Jumperul J1 comunica terminalului 13.6 directia de deschidere si de inchidere a portii. Variante Jumper J1:

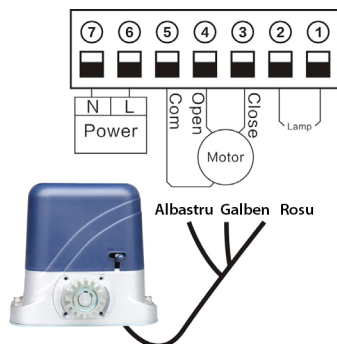
1. NO1-NO2 - Deschidere normala (Motor in stanga portii in interior);
 2. NO2-NO3 - Deschidere in sens Opus . (Motor in dreapta portii in interior)
- Necesita schimbarea sensului de alimentare motor (vezi capitol instalare si conectare motor).

Diagrama instalare componente electrice



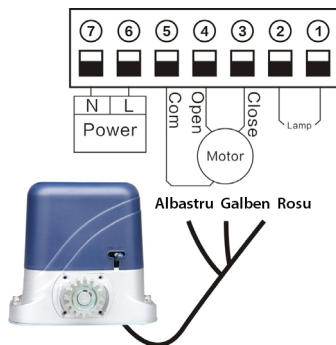
» Terminalul 6 si 7 sunt pentru conectarea la 230V

Recomandam instalarea motorului in dreapta portii (privita din interior):



- » Terminalul 3 - conectati firul rosu de la motor
- » Terminalul 4 - conectati firul galben de la motor
- » Terminalul 5 - conectati firul albastru de la motor

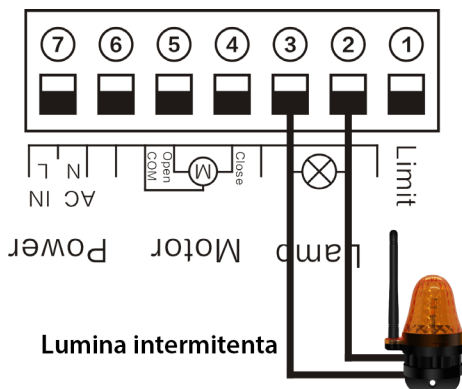
Instalarea motorului in stanga portii (privita din interior):



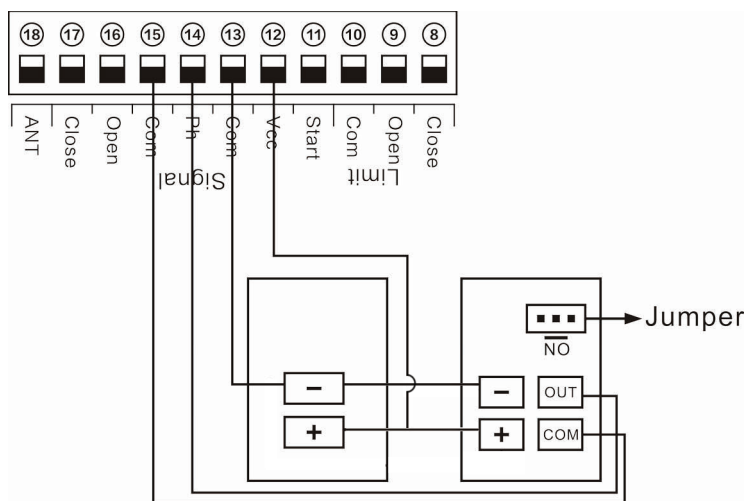
- » Terminalul 4 - conectati firul rosu de la motor
- » Terminalul 5 - conectati firul albastru de la motor
- » Terminalul 3 - conectati firul galben de la motor

Nota: Pentru montare motor in dreapta portii (privire din interior) cand schimbati firul negru si cel verde, verificati daca motorul inchide si se opreste in mod normal. Daca nu, schimbati pozitia jumper-ului J1 in directia opusa. De exemplu, daca J1 este acum pe pozitia 1 si 2, atunci schimbati J1 pe pozitia 2 si 3.

Conectare lampa de avertizare (nu este inclusa)



Conectare senzor infrarosu (nu este inclus)

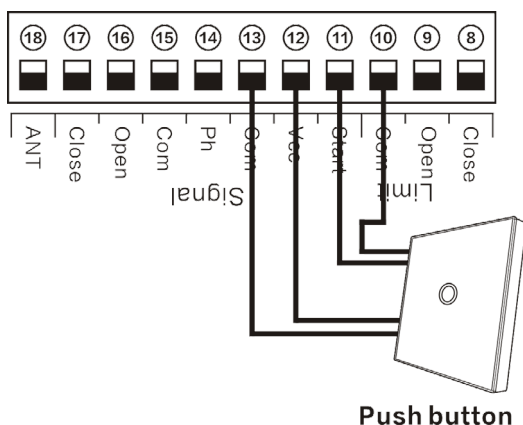


- Indepartati firul dintre terminalul 14 si 15.
- Conectati terminalul 15 la terminalul COM si terminalul 14 la terminalul OUT al senzorului.
- Terminalul 12 si 13 alimenteaza senzorul. Astfel, conectati terminalul 12 la “+” (plus), iar terminalul 13 la “-” (minus).

Nota: din fabrica, placa de baza este setata sa conecteze fotocelula NO. De aceea, pastrati jumperul pe pozitia NO, dupa cum se vede in imaginea de mai sus.

Conectare dispozitiv de deschidere (nu este inclus)

Daca nu doriti sa folositi telecomanda pentru a controla portile, conectati la terminalul 11 dispozitivul extern de actionare a portilor, cum ar fi buton de acces, tastatura de acces etc.



Exemplu de diagrama in cazul conectarii unui buton de acces:

Conectati butonul de acces la terminalul 10 si 11. Terminalele 12 si 13 sunt pentru alimentarea butonului de acces.

Instructiuni de intretinere

- » Cremaliera si roata dintata trebuie tot timpul pastrate curate, fara obiecte care ar putea deveni un obstacol in deschiderea sau inchiderea portilor.
- » Lubrifiatii toate partile mobile ale sistemului de automatizare o data la 3 luni.
- » Daca panoul de control este alimentat de la o baterie de backup, verificati bateria lunar si inlocuiti-o daca este necesar.
- » Verificati periodic starea cablurilor si conexiunilor.
- » Asigurati-va ca nu intra apa la motor.

EN:

EU Simplified Declaration of Conformity

ONLINESHOP SRL declares that Sliding gate automation motor PNI MAP130 complies with the Directive EMC 2014/30/EU and LVD 2014/35/EU. The full text of the EU declaration of conformity is available at the following Internet address:
<https://www.mypni.eu/products/6601/download/certifications>

RO:

Declaratie UE de conformitate simplificata

ONLINESHOP SRL declara ca Motor automatizare porti autoportante PNI MAP130 este in conformitate cu Directiva EMC 2014/30/EU si Directiva LVD 2014/35/EU. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:
<https://www.mypni.eu/products/6601/download/certifications>

EN - Please download the full version of the user manual

BG - Моля, изтеглете пълната версия на ръководството за потребителя

DE - Bitte laden Sie die Vollversion des Benutzerhandbuchs herunter

ES - Descargue la versión completa del manual de usuario

FR - Veuillez télécharger la version complète du manuel d'utilisation

HU - Kérjük, töltsse le a felhasználói kézikönyv teljes verzióját

IT - Si prega di scaricare la versione completa del manuale utente

NL - Download de volledige versie van de gebruikershandleiding

PL - Pobierz pełną wersję instrukcji obsługi

RO - Va rugam, descarcati versiunea completa a manualului de utilizare



English - CERTIFICATE OF QUALITY AND COMMERCIAL WARRANTY

The products identified in this certificate based on the trade name and the sole series number S/N benefit by a commercial warranty as follows:

The warranty period for natural persons is 24 months as of the delivery date for the manufacturing and material defects.

The warranty period for legal entities is 12 months as of the delivery date for the manufacturing and material defects.

The average term of the product service life is 48 months subject to the compliance with the assembly and operation instructions accompanying the product.

The commercial warranty shall not impair the consumer rights provided by the applicable legislation in force, namely Emergency Government Ordinance 140/28.12.2021 on certain issues related to contracts for the sale of goods, the Government Ordinance 21/1992 on the consumer protection as subsequently amended and supplemented by Law 296/2004 on the consumption code as subsequently amended and supplemented.

Romana - CERTIFICAT DE CALITATE SI GARANTIE COMERCIALA

Produsele identificate in acest certificat pe baza denumirii comerciale si a numarului unic de serie S/N, beneficiaza de o garantie comerciala dupa cum urmeaza:

Perioada de garantie pentru persoane fizice este de 24 luni de la data livrarii pentru defectele de fabricatie si de material.

Perioada de garantie pentru persoane juridice este de 12 luni de la data livrarii pentru defectele de fabricatie si de material.

Termenul de garantie se calculeaza de la data facturarii fiecarui produs in parte.

Durata medie de utilizare a produsului este de 48 luni cu conditia respectarii instructiunilor de montaj si utilizare care insotesc produsul.

Garantia comerciala nu afecteaza drepturile consumatorului prevazute prin legislatia aplicabila in vigoare, respectiv Ordonanta de Urgenta 140/28.12.2021 privind anumite aspecte referitoare la contractele de vanzare de bunuri, OG 21/1992 privind protectia consumatorilor cu modificarile si completarile ulterioare si Legea 296/2004 privind codul consumului cu modificarile si completarile ulterioare.

EN - Please download the full version of the warranty certificate:

BG - Моля, изтеглете пълната версия на гаранционния сертификат:

DE - Bitte laden Sie die Vollversion des Garantiezertifikats herunter:

ES - Descargue la versión completa del certificado de garantía:

FR - Veuillez télécharger la version complète du certificat de garantie :

HU - Kérjük, töltsse le a jótállási jegy teljes verzióját:

IT - Si prega di scaricare la versione completa del certificato di garanzia:

NL - Download de volledige versie van het garantiecertificaat:

PL - Pobierz pełną wersję karty gwarancyjnej:

RO - Va rugam descarcati versiunea completa a certificatului de garantie:



