PNI AP800C

Sliding gate automation kit / Kit automatizare porti autoportante

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.

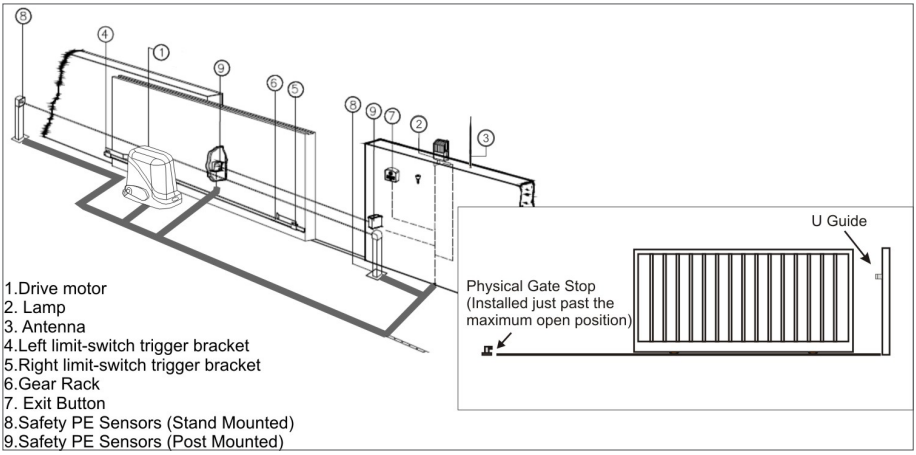
» Safety sensors may not detect small obstacles such as children, animals or objects. It is your duty to ensure the safe operation of the gates.

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 wheel kit
- 2 x photocells
- 1 x warning lamp
- 6 x metal rack 1 meter
- 1 x mounting accessories kit

Installation scheme



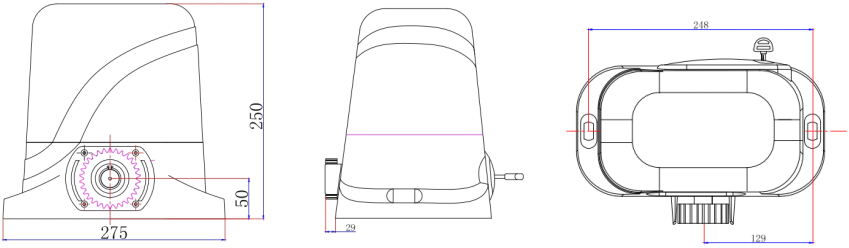
Technical specifications

» Engine working temperature: -26°C ~ + 80°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 (included), access keyboard, access button and other access control accessories
» Possibility to connect the safety lamp (included)
» Automatic closing
» Adjustable sensitivity
» Obstacle protection: the gate stops and reopens if it encounters an obstacle while closing; the gate stops if it encounters an obstacle as it opens. The force at which the gate stops when it encounters an obstacle is adjustable both when closing and when opening.
» The possibility of mounting 2 motors in the mirror (opposite) to double the length of the gate/opening area. Thus a gate opens on the left and one on the right.

Dimensions:



Important notes

» Power the control unit to a separate 10A power supply.
» The rack must be installed on a straight line, parallel to the gate.
» 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 1

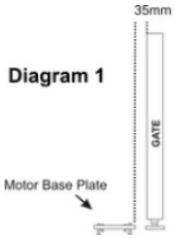
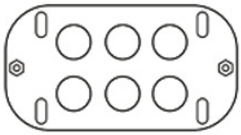
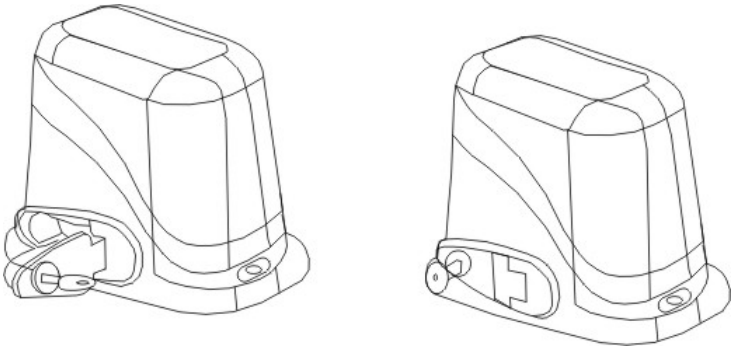


Diagram 2

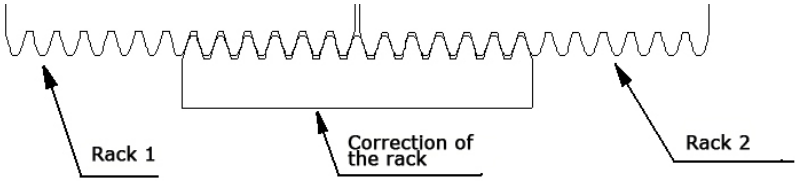


Rack installation

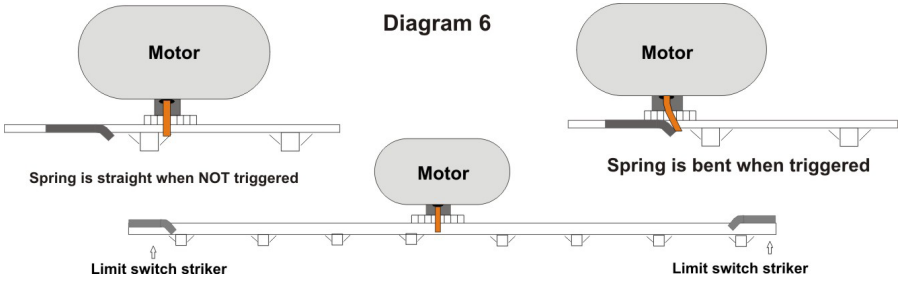
» With the key included in the package, open and pull the lever to manually close the gate.



» 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 gate.
» 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.



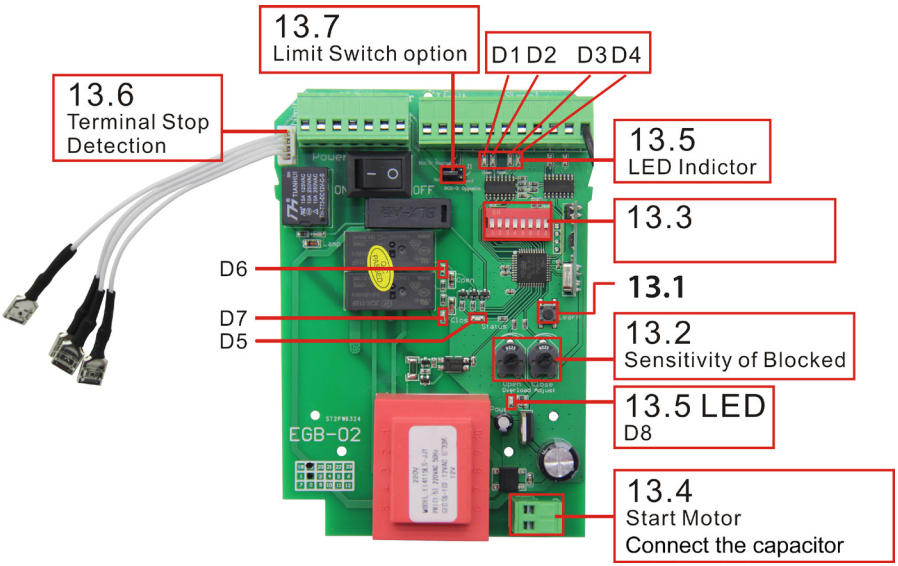
» The stops must be installed now. They are mounted on the rack and lock the engine when the rack reaches the end, when the gate is opened or closed.



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

Motherboard



13.1 - Paring 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

1. OFF position: the engine is in NC mode, Normal Close (default)
   ON position: the engine is in NO, Normal Open mode

2. OFF position: photocell is in NO mode (default)
   ON position: the photocell is in NC mode

3. and 4 in the OFF position: deactivates the automatic closing function (default)
3. on the ON position and 4 on the OFF position: when the gate is fully open, it will close automatically after 10 seconds .
4. on the OFF position and 4 on the ON position: when the gate is fully open, it will close automatically after 30 seconds.
5. on the ON position and 4 on the ON position: when the gate is fully open, it will close automatically after 60 seconds.

5. and 6 in the OFF position: disables the automatic closing function in "pedestrian" mode (default)
6. on the ON position and 6 on the OFF position: in the "pedestrian" mode, when the gate is completely open, it will close automatically after 5 seconds.
7. on the OFF position and 6 on the ON position: in the "pedestrian" mode, when the gate is completely open, it will close automatically after 10 seconds.
8. on the ON position and 6 on the ON position: in "pedestrian" mode, when the gate is fully open, it will close automatically after 30 seconds.

Notes:

- Buttons 2 and 4 (depending on how the remote control was paired) operate the gate in "pedestrian" mode.
- If the engine runs and the 2 or 4 button on the remote control is pressed, the engine will stop automatically.
- If you press button 2 or 4 on the remote control to open the gate, it will close after the programmed time (5, 10 or 30 seconds) or will remain open (if automatic closing has been deactivated) or press button 2 or 4 again to close the gate immediately.

7. OFF position: deactivates the condominium mode
   ON position: activates the condominium mode

Note: In condominium mode, when the gate is open, if you press the buttons on the remote control or other connected access terminal (access button or access keypad), they will not work until the gate is fully open. When the gate is closed, if you press the buttons on the remote control or other connected access terminal, the gate will stop and reopen completely.

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.

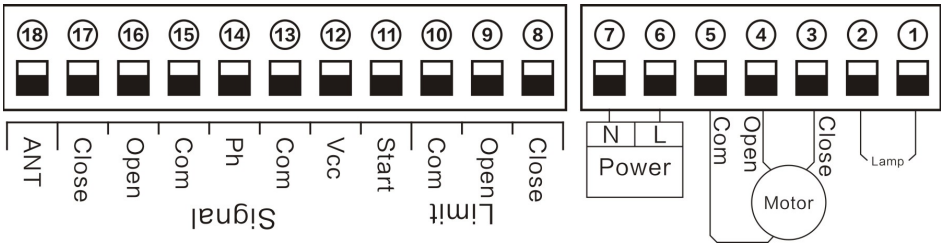
13.5 LED indicators

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.

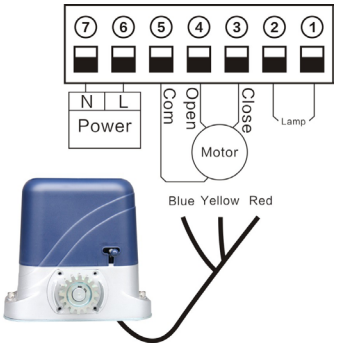
13.7 Open / close limit setting (J1):
Jumper J1 communicates to the terminal 13.6 the direction of opening and closing the gate. Jumper J1 variants:
1. NO1-NO2 - Normal opening (Motor on the left of the gate inside);
2. NO2-NO3 - Opening in the opposite direction. (Motor to the right of the gate inside) It requires changing the direction of the motor supply (see installation and motor connection chapter).

Electrical components installation diagram



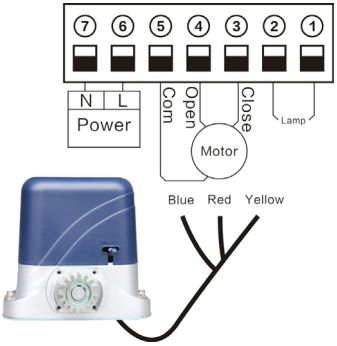
» Terminals 6 and 7 are for 230V connection

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

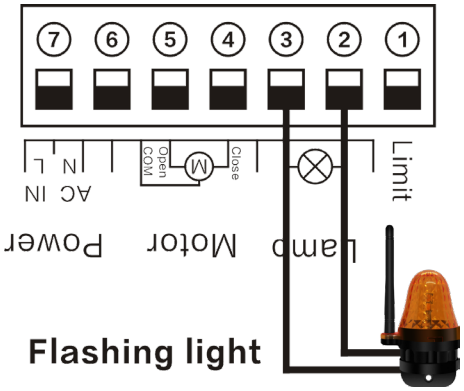
Installing the engine to the left of the gate (seen from the inside):



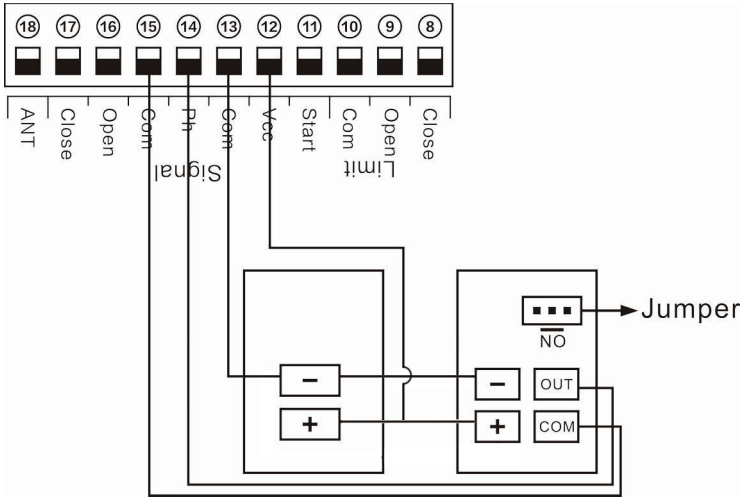
» Terminal 4 - connect the red wire to the motor
» Terminal 5 - connect the blue wire to the motor
» Terminal 3 - connect the yellow wire to the motor

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



Infrared sensor connection

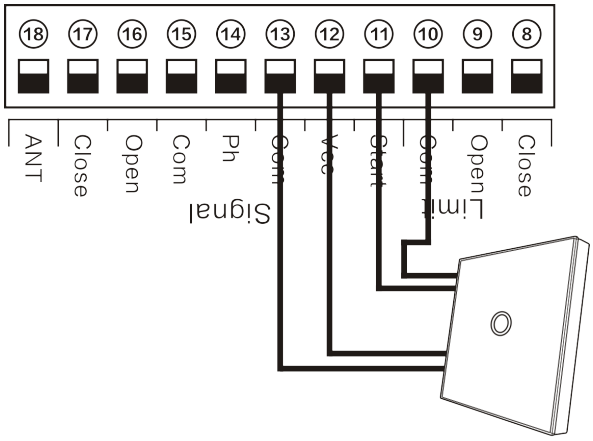


- Remove the wire between terminal 14 and 15.
- Connect terminal 15 to the COM terminal and terminal 14 to the OUT terminal of the sensor.
- Terminals 12 and 13 power the sensor. Thus, connect terminal 12 to “+” (plus), and terminal 13 to “-“ (minus).

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

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.



Push button

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 opritor de poarta 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 defecteza 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 accidentarile.
» Instalati sistemul de automatizare tinand cont de greutatea, lungimea si inaltimea portii.

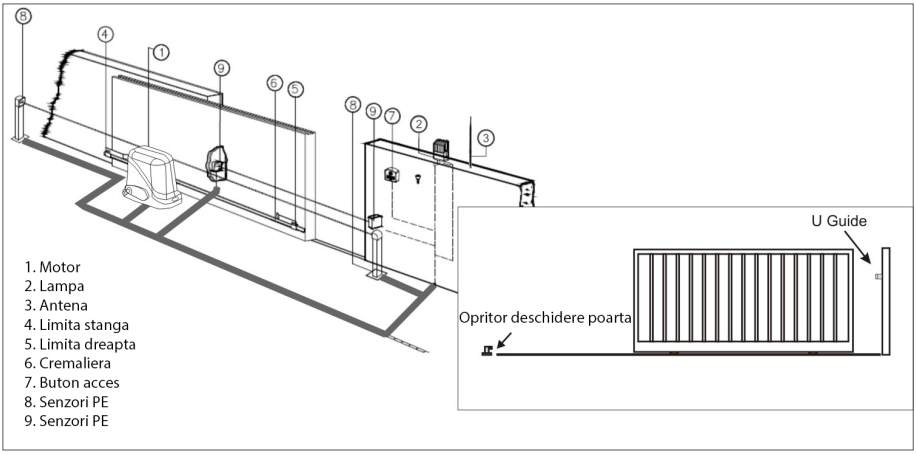
» Senzorii de siguranta pot sa nu detecteze obstacole mici cum ar fi copii, animale sau obiecte. Este datoria dvs. sa asigurati functionarea in conditii de siguranta a portilor.

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 kit roti
- 2 x fotocelule
- 1 x lampa de avertizare
- 6 x cremaliera metalica 1 metru
- 1 x kit accesorii de montaj

Schema de instalare



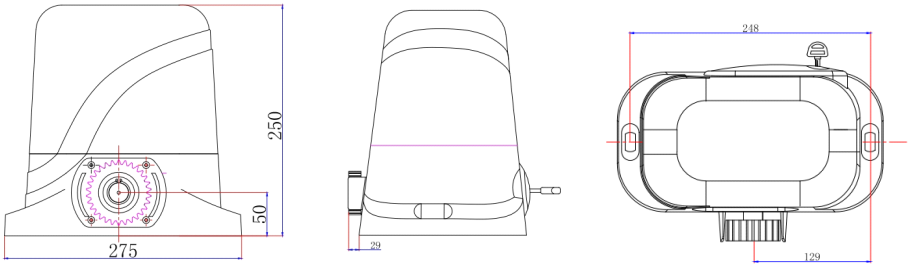
Specificatii tehnice

» Temperatura de lucru pentru motor: -26°C ~ +80°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
» Distanta maxima de comunicare cu telecomanda: 50 m

Caracteristici principale

» Posibilitate conectare fotocelula (inclusa), tastatura de acces, buton de acces si alte accesorii de control acces
» Posibilitate conectare lampa de siguranta (inclusa)
» Inchidere automata
» Sensibilitate reglabila
» Protectie in caz de obstacol: poarta se opreste si se redeschide daca intalneste un obstacol in timp ce se inchide; poarta se opreste daca intalneste un obstacol in timp ce se deschide. Forta la care poarta se opreste cand intalneste obstacol este reglabila atat la inchidere cat si la deschidere.
» Posibilitatea montarii a 2 motoare in oglinda (opuse) pentru a dubla lungimea portii/zonei de deschidere. Astfel o poarta se deschide in stanga si una in dreapta.

Dimensiuni:



Note importante

» Alimentati unitatea de control la o sursa de curent separata cu siguranta de 10A.
» Cremaliera trebuie instalata pe o linie dreapta, paralel cu poarta.
» Asigurati o distanta intre cremaliera si roata dintata a motorului pentru a nu incarca excesiv motorul.
» Instalati opritorul in directia de deschidere a portii pentru a evita ca motorul sa ruleze fara control.

Instalare motor

» Alegeti cu grija locatia de instalare a motorului.
» Amplasati temporar baza de fixare a motorului la o distanta de 35 mm de poarta. (Diagrama 1)
» Puneti motorul pe suport.
» Testati cu o bucata de cremaliera pozitionata pe roata dintata a motorului daca motorul este la inaltimea potrivita.
» Faceti un desen in jurul suportului de fixare a motorului.
» Dati motorul jos de pe suport.
» Marcati pe sol locul in care trebuie sa dati cele 4 gauri pentru fixarea suportului. (Diagrama 2)
» Faceti 4 gauri in locurile marcate.
» Fixati suportul si motorul folosind suruburi si dibluri.

Diagrama 1

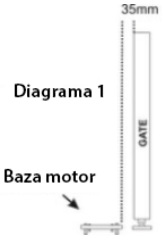
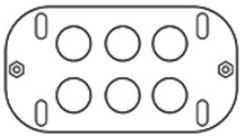
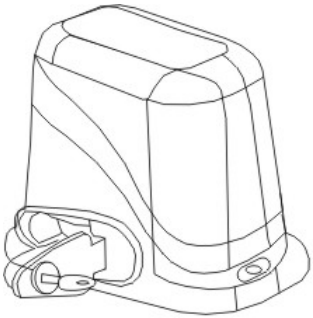


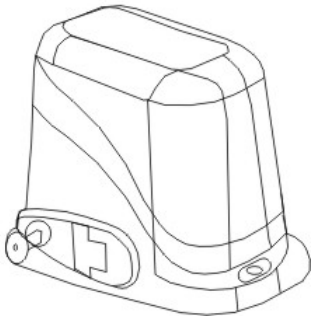
Diagrama 2



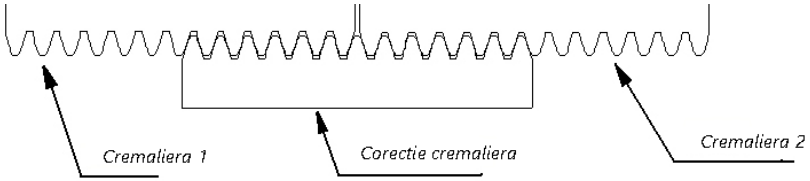
Instalare cremaliera

» Cu cheia inclusa in pachet, deschideti si trageti maneta pentru a inchide manual poarta.

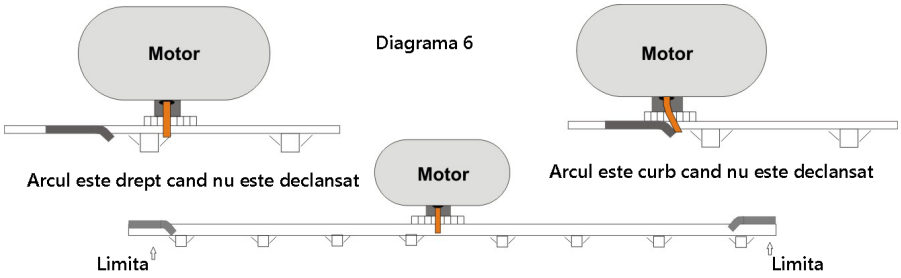




» Pozitionati prima bucata de cremaliera pe roata dintata lasand un spatiu de 2-3 mm intre cremaliera si roata, apoi fixati-o pe poarta.
» Miscati manual poarta inainte si inapoi pentru a va asigura ca cremaliera aluneca bine pe roata dintata.
» Montati si urmatoarele bucati de cremaliera asigurandu-va 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.



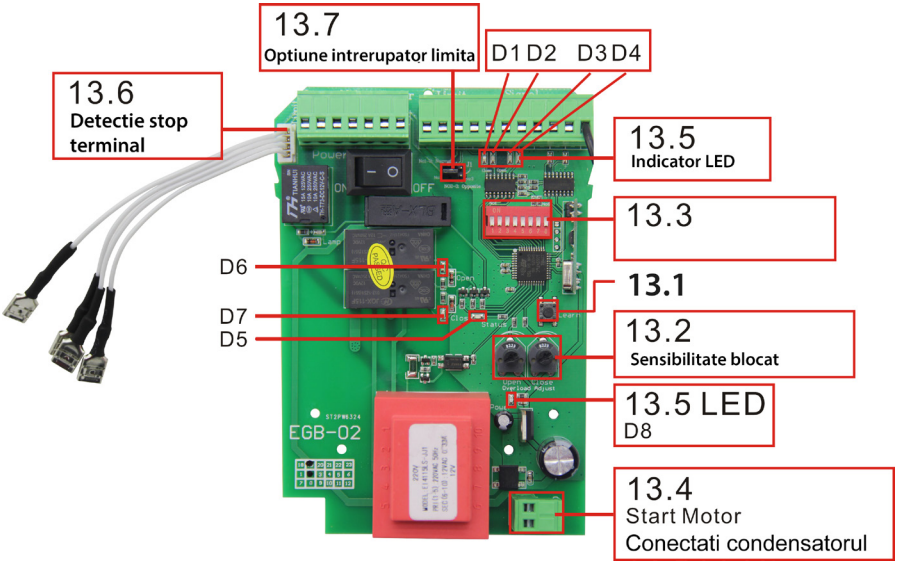
» Opritoarele trebuie instalate acum. Ele se monteaza pe cremaliera si blocheaza motorul cand cremaliera ajunge la capat, la deschiderea sau inchiderea portii.



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“.
Atfel, 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

1. Pozitia OFF: motorul este in modul NC, Normal Close (implicit)
   Pozitia ON: motorul este in modul NO, Normal Open

2. Pozitia OFF: fotocelula este in modul NO (implicit)
   Pozitia ON: fotocelula este in modul NC

3. si 4 pe pozitia OFF: dezactiveaza functia inchidere automata (implicit)
3. pe pozitia ON si 4 pe pozitia OFF: cand poarta este complet deschisa, se va inchide automat dupa 10 secunde.
4. pe pozitia OFF si 4 pe pozitia ON: cand poarta este complet deschisa, se va inchide automat dupa 30 secunde.
5. pe pozitia ON si 4 pe pozitia ON: cand poarta este complet deschisa, se va inchide automat dupa 60 secunde.

5. si 6 pe pozitia OFF: dezactiveaza functia de inchidere automata in modul “pieton“ (implicit)
6. pe pozitia ON si 6 pe pozitia OFF: in modul “pieton“, cand poarta este complet deschisa, se va inchide automat dupa 5 secunde.
7. pe pozitia OFF si 6 pe pozitia ON: in modul “pieton“, cand poarta este complet deschisa, se va inchide automat dupa 10 secunde.
8. pe pozitia ON si 6 pe pozitia ON: in modul “pieton“, cand poarta este complet deschisa, se va inchide automat dupa 30 secunde.

Note:

- Butoanele 2 si 4 (in functie de cum a fost imperecheata telecomanda) actioneaza poarta in modul “pieton“.
- Daca motorul ruleaza si se apasa butonul 2 sau 4 de pe telecomanda, motorul se va opri automat.
- Daca se apasa butonul 2 sau 4 de pe telecomanda pentru a deschide poarta, aceasta se va inchide dupa timpul programat (5, 10 sau 30 secunde) sau va ramane deshisa (daca a fost dezactivata inchiderea automata) sau apasati din nou butonul 2 sau 4 pentru a inchide imediat poarta.

7. Pozitia OFF: dezactiveaza modul condominiu
   Pozitia ON: activeaza modul condominiu

Nota: in modul condominiu, cand poarta este in deschidere, daca se apasa butoanele de pe telecomanda sau de pe alt terminal de acces conectat (buton de acces sau tastatura de acces), acestea nu vor functiona pana cand poarta nu este complet deschisa. Cand poarta este in inchidere, daca se apasa butoanele de pe telecomanda sau de pe alt terminal de acces conectat, poarta se va opri si se va redeschide complet.

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

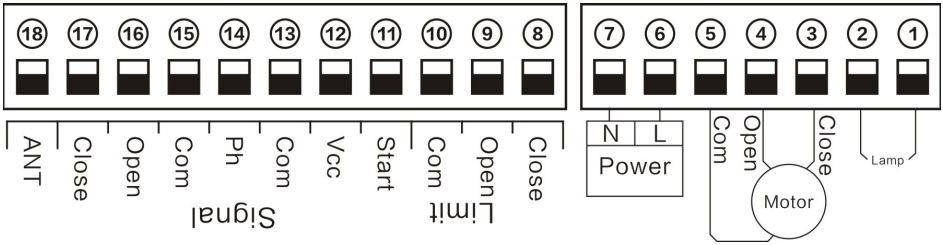
D1: Led aprins - poarta nu este complet inchisa

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 aceeasi 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 stop detection interface:
Are 2 moduri: unul deschide poarta si unul inchide poarta in modul normal de functionare.

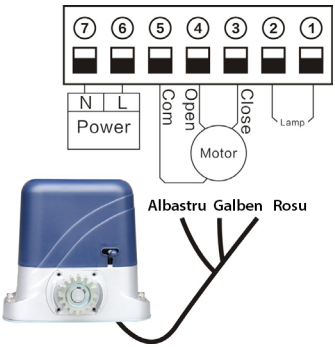
13.7 Setare limita deschidere/inchidere (J1):
Jumperul J1 comunica terminalului 13.6 directia de deschidere si de inchidere a portii. Variante Jumper J1:
1. NO1-NO2 - Deschidere normala (Motor in stanga portii in interior);
2. NO2-NO3 - Deschidere in sens Opus . (Motor in dreapta portii in interior)
Necesita schimbarea sensului de alimetnare motor (vezi capitor instalare si conectare motor).

Diagrama instalare componente electrice



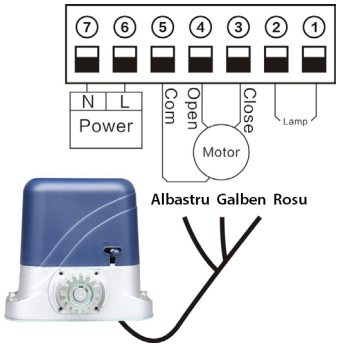
» Terminalul 6 si 7 sunt pentru conectarea la 230V

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

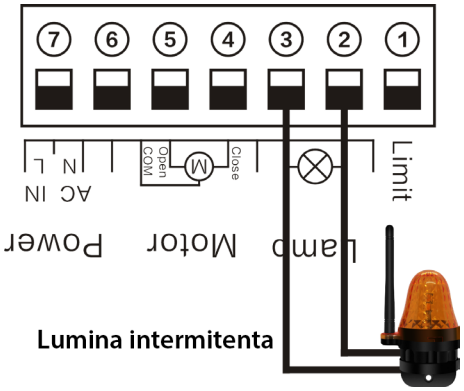
Instalarea motorului in stanga portii (privita din interior):



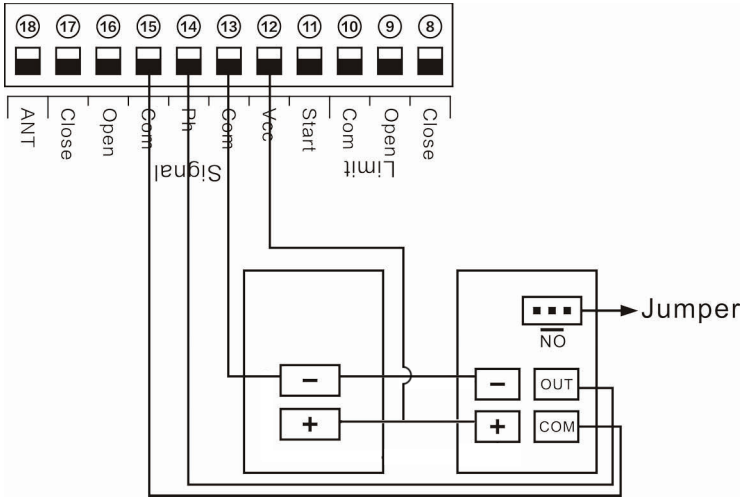
» Terminalul 4 - conectati firul rosu de la motor
» Terminalul 5 - conectati firul albastru de la motor
» Terminalul 3 - conectati firul galben de la motor

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



Conectare senzor infrarosu

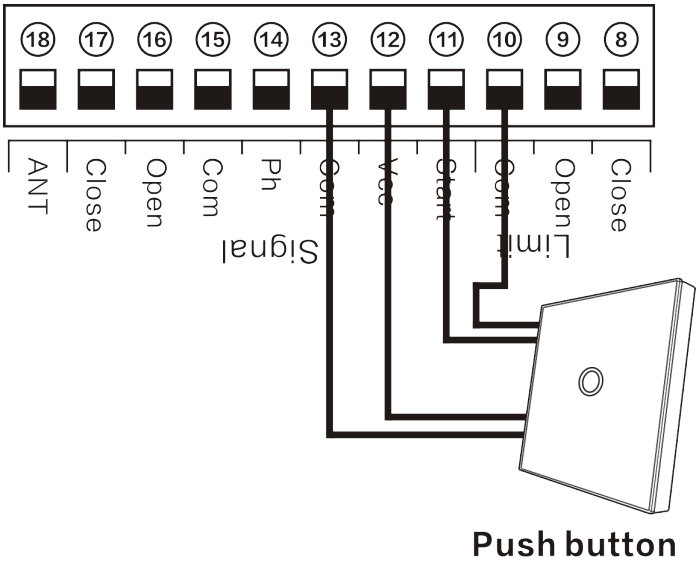


- Indepartati firul dintre terminalul 14 si 15.
- Conectati terminalul 15 la terminalul COM si terminalul 14 la terminalul OUT al senzorului.
- Terminalul 12 si 13 alimenteaza senzorul. Astfel, conectati terminalul 12 la “+” (plus), iar terminalul 13 la “-“ (minus).

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

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.



Push button

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.
» Lubrifiantii 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 inlocuit-o daca este necesar.
» Verificati periodic starea cablurilor si conexiunilor.
» Asigurati-va ca nu intra apa la motor.

EN:

EU Simplified Declaration of Conformity

SC ONLINESHOP SRL declares that Sliding gate automation PNI AP800C 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/6969/download/certifications

RO:

Declaratie UE de conformitate simplificata

SC ONLINESHOP SRL declara ca Kit automatizare porti autoportante PNI AP800C 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/6969/download/certifications