Priza inteligenta cu repetor si dimmer PNI SmartHome SM441R ON/OFF

1. INTRODUCERE

Va multumim ca ati achizitionat Priza inteligenta cu repetor / Dimmer si ON/OFF PNI SmartHone SM441. Modulul receptor va permite sa porniti/ opriti wireless (de la distanta cu ajutorul transmitatoarelor compatibile) aparatul electronic conectat sau sa miscorati / mariti intensitatea luminii conectate la acesta priza. Modulul receptor PNI SM441 are si rol de repetor / extinderea razei de acoperire pentru PNI SmartHome SM400 si accesoriile compatibile.

Priza inteligenta cu repetor si dimmer PNI SmartHome SM441R ON/OFF poate comunica cu maxim 8 transmitatori. Utilizatorii au optiunea de a adauga mai multi transmitatori la aceasta priza, cum sunt Telecomanda PNI SM434 si Sistemul Casa inteligenta PNI SmartHome SM400.

Toate semnalele de comunicatie wireless din cadrul sistemului sunt protejate pentru a oferi securitate suplimentara.

Pachetul include urmatoarele elemente:

- Priza inteligenta cu repetor si dimmer PNI SmartHome SM441R ON/OFF
- Manual de utilizare

2. INSTALARE

Conectati Receptorul PNI SM441R la o priza AC 239 VAC . Conectati la receptor un dispozitiv de iluminat (lampa sau bec) pe care doriti sa il controlati cu ajutorul prizei receptor PNI SM441R. Pentru instalare rapida si comoda, executati aceasta procedura in apropierea modulelor transmitatoare.

Priza receptor PNI SM441R este conceputa sa opereze becuri compacte fluorescente, incandescente normale sau dimabile cu o sarcina maxima de 600W 230VAC.

Becurile trebuie sa fie dimabile, pentru a fi functionala functia dimmer.

3. PROGRAMAREA TRANSMITATORILOR

Pentru a opera de la distanta Priza receptor PNI SM441, aceasta trebuie imperecheata cu un transmitator sau centrala.

Priza receptor PNI SM441 are 3 moduri de functionare:

1) Mod normal - Cand primeste un semnal valid va inchide/deschide sau schimba intensitatea luminii conectate.

2) Mod Alerta Flash - Cand primeste un semnal valid, lumina va pulsa/ clipi pornit/oprit pentru o anumita perioada de timp. Perioada de timp este definita in sectiunea de temporizare. Acest mod este unul de tip alerta.

3) Mod Numaratoare inversa - Cand primeste un semnal valid, lumina va ramane pornita pentru o perioada de timp specificata/setata, 1 minut, 5 minute, 15 minute, 30 minute sau 60 minute. Perioada de timp este definita in sectiunea de Temporizare. Acest mod este pentru economia de energie.

Se pot programa transmitatori diferiti (Telecomenzi, Centrale PNI SM400) ce pot activa moduri diferite de functionare.

De exemplu cu ajutorul functiei IF.....THEN.....din Sistemul PNI

SM400 Priza Receptor PNI SM441 poate fi comandata si de un senzor de miscare, Senzor magnetic, Senzor de apa etc.

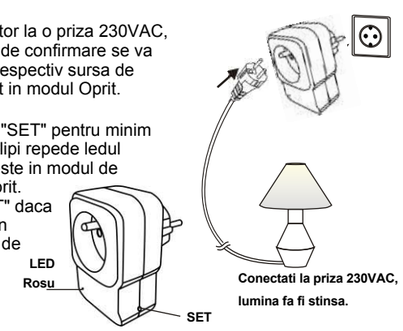
Pentru a imperechea un transmitator la Priza receptor PNI SM441R urmatiti instructiunile de mai jos:

Inainte de imperechere stabiliti si programati modul de functionare al Prizei receptor (Normal, Alarta Flash sau Numaratoare inversa).

1. Conectati o sursa de lumina la priza receptor

2. Conectati priza receptor la o priza 230VAC, moment in care ledul de confirmare se va aprinde scurt. Priza, respectiv sursa de lumina conectata sunt in modul Oprit.

3. Tineti apasat butonul "SET" pentru minim 3 secunde, pana va clipi repede ledul rosu, semn ca priza este in modul de programare Pornit/Oprit. Eliberati butonul "SET" daca doriti sa programati un transmitator in modul de functionare Pornit/Oprit .



3. PROGRAMAREA TRANSMITATORILOR (CONTINUARE)

4. Daca doriti sa programati receptorul in modul de lucru Flash, tineti in continuare apasat butonul Set (aprox. inca 5 secunde) pana cand ledul rosu clipeste rar. In acest moment eliberati butonul SET, si executati punctul 6.

5. Daca doriti sa programati receptorul in modul de lucru Numaratoare inversa tineti apasat in continuare butonul Set (aprox. inca 5 secunde) pana cand ledul rosu ramane aprins continuu.

Mod de operare/ functionare	LED Indicator
Normal	Clipire rapida
Alerta Flash	Clipire lenta
Numaratoare inversa	Pornit

6. Transmiteti codul de invatare/imperechere de pe transmitator. Consultati manualul transmitatorului cu privire la aceasta procedura.

7. Odata ce transmitatorul este programat, ledul rosu clipeste cateva clipe foarte repede dupa care se stinge, semn ca imperecherea s-a facut cu succes.

Nota: Trebuie sa executati procedura de programare/imperechere in maxim 15 secunde, deoarece dupa aceasta perioada priza receptor SM441 va iesi din modul de programare, si va trebui sa reluati procedura de la punctul 3 (cu ledul rosu oprit).

4. SETARE DURATA TEMPORIZATOR

Aceasta sectiune se refera doar la Prizele receptor programate sa functioneze in modul Alerta Flash sau Modul Numaratoare inversa.

Temporizarea pentru cele 2 moduri de functionare poate fi setata cu urmatoarele valori, adica lumina va sta aprinsa pentru urmatoarele perioade de timp: 1 minut, 5 minute, 15 minute, 30 minute sau 60 minute. Poate fi setata o singura perioada de timp, urmarind instructiunile de mai jos:

1. Conectati receptorul PNI SM441 la o priza de curent 230 VAC.

2. Conectati o sarcina (bec, lampa) si porniti Receptorul PNI SM441 cu ajutorul unui transmitator inrolat (telecomanda sau Sistem PNI SM400). Receptorul trebuie sa fie in modul Normal de functionare, pentru a putea fi setata valoarea temporizarii.

3. Tineti apasat butonul SET pentru 3 secunde, pana ce ledul rosu clipeste o data.Numarul de clipiri indica durata temporizarii:

Numar de clipiri	Durata temporizare
1	1 min.
2	5 min.
3	15 min.
4	30 min.
5	60 min.

4. Pentru modificare tineti apasat in continuare pana obtineti durata de temporizare dorita. Statusul se va modifica la 6 secunde. Ex:Tinand apasat butonul set, la fiecare 6 secunde ledul va clipi 1 data, de 2 ori, de 3 ori etc.

Nota: Odata ajuns la 5 clipiri modul va ramane la aceasta setare. Pentru modificare la 1 sau alta valoare eliberati si apasati din nou butonul SET pentru a obtine valoarea dorita.

Odata ce un transmitator este programat in Priza receptor in modul de functionare Numaratoare inversa sau Alerta Flash, comanda transmisa va aprinde Lumina (sau lumina va clipi) pentru durata de temporizare setata.

Daca pe perioada unei comenzi cu temporizare, priza receptor primeste o noua comanda, temporizarea va incepe de la zero, deci se va prelungi.

Pentru a opri o comanda de temporizare, apasati un buton pe un transmitator ce este imperecheat in modul de functionare Normal.

5. MOD NORMAL DE OPERARE/FUNCTIONARE

Modul Normal de operare al prizei receptor SM441 are 2 submoduri de functionare:

1) Mod Pornit / Oprit - Permite pornirea/oprirea luminii fara functia Dimmer (variator intensitate lumina)

2) Mod Variator (Dimmer) - Permite operarea prizei/luminii fie Pornit / Oprit fie in mod variator (Mic / Luminos). Conditia e ca Becul / Lumina sa fie Incandescent sau Fluorescent Dimabila.

5. MOD NORMAL DE OPERARE/FUNCTIONARE (Continuare)

ATENTIE ⚠
Lumina/Sarcina Non-dimabila trebuie sa functioneze doar in modul Pornit/Oprit.Folosirea unei lumini/sarcini non-dimabile, in modul de functionare Variator (Dimmer) poate cauza defectiuni majore.

Modul de functionare default din fabrica este Pornit/Oprit. Totusi daca lumina este dimabila, puteti schimba modul de operare in mod Variator (Dimmer) urmarind instructiunile de mai jos:

1. Aprindeti lumina din transmitatorul imperecheat.
2. Tineti apasat Butonul de pe transmitatorul programat pentru 10 secunde.
3. Lumina va clipi. Daca va clipi odata priza receptor este in modul Pornit/Oprit. Daca va clipi de 2 ori, este in modul Variator (Dimmer).
4. Repetand pasul 2, veti putea modifica functionarea prizei receptor intre cele 2 moduri Pornit/Oprit si Variator (Dimmer).

5.1 Operare Pornit / Oprit :

Priza receptor PNI SM441R permite functionare de tip Pornit/Oprit la primirea unei comenzi de la un transmitator programat (Telecomanda sau PNI SM400). De exemplu daca lumina conectata la priza este oprita, la primirea unei comenzi, priza va comuta, si va aprinde lumina.

5.2 Control operare variator - Luminozitate:

Pe langa Pornit/Oprit, puteti controla si luminozitatea luminii conectate la priza receptor, daca becul este incandescent sau fluorescent dinamic.

Pentru a modifica luminozitatea porniti mai intai Lumina/Priza

Ulterior tineti apasat Butonul programat de pe transmitator (telecomanda) si Priza/Lumina isi va schimba intensitatea. Tineti butonul apasat pana la obtinerea luminii dorite. Eliberati butonul.

Apasati si tineti apasat din nou butonul pentru a schimba intensitatea luminii in sens invers. Cand intensitatea dorita este atinsa, eliberati butonul.

Consultati manualul de utilizare al transmitatorului pentru mai multe detalii cu privire la operarea functiei Variator(Dimmer)

Nota: Tinand apasat butonul mai mult de 10 secunde, Priza va comuta intre modurile Pornit/Oprit si Variator (Dimmer)

6. MOD DE OPERARE ALERTA FLASH

Daca un transmitator este programat la Priza receptor PNI SM441 in modul de operare Alerta Flash, la primirea comenzii, Lumina conectata va clipi pe perioada prestabilita de temporizare, odata cu ledul rosu de pe priza. Luminozitatea este aceeasi si nu poate fi modificata. Dupa ce trece timpul de temporizare, lumina se va opri.

Apasant un buton programat in modul Normal de operare, va modifica functionarea conform noii comenzi.

7. MOD DE OPERARE NUMARATOARE INVERSA

Daca un transmitator este programat la Priza receptor PNI SM441 in modul de operare numaratoare inversa, la primirea comenzii, lumina conectata se va aprinde pentru intervalul de temporizare setat in prealabil. Ledul rosu vafi aprins in mod similar. Dupa ce trece timpul de temporizare lumina se va opri.

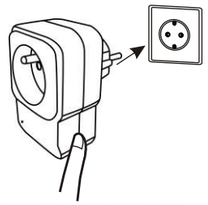
Apasant un Buton programat in modul Normal de operare, va modifica functionarea conform noii comenzi.

8. STERGEREA TRANSMITATORILOR PROGRAMATI

Ca si operatiune de stergere, putem sterge doar toti transmitatorii programati in priza receptor PNI 441R . Ulterior puteti programa din nou doar transmitatorii pe care doriti sa-i pastrati. Urmariti instructiunile de mai jos pentru aceasta procedura.

8. STERGEREA TRANSMITATORILOR PROGRAMATI (Continuare)

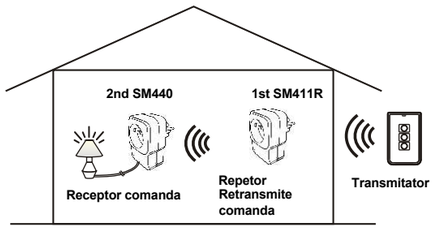
1. OpritipPriza receptor si scoteti-o din priza de 230 VAC.
2. Tinand apasat butonul SET introduceti priza receptor din nou in priza de 230VAC
3. Ledul rosu va fi aprins la inceput, dupa care va clipi rapid pentru o secunda, si se va stinge.
4. Puteti elibera butonul SET acum.
5. S-au sters toti transmitatorii cu succes



Apasati si tineti apasat butonul SET in timp ce conectati receptorul la o priza 230VAC.

9. MODUL DE FUNCTIONARE REPETOR

Priza PNI SM441 are si functie de repetor, adica poate primi si transmite mai departe o comanda de la un transmitator la un alt receptor din raza sa de actiune. Aceasta functie mareste raza de actiune a unui transmitator (Telecomanda sau Sistem PNI SM400).

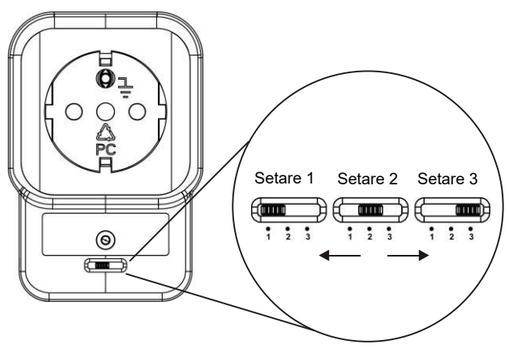


Ca si regula generala, daca, se intampla sa aveti zone fara acoperire a semnalului unui Transmitator/Telecomanda/Sistem, puteti plasa o priza receptor PNI SM441R la jumatatea distantei intre receptorul clasic si transmitator, pentru a elimina aceste zone. Daca zona fara semnal este acoperita acum, lasati priza repetor in aceasta pozitie. Daca zona fara acoperire persista, mutati Priza repetor pana obtineti un rezultat pozitic, si receptorul clasic primeste comenzi.
Puteti monta mai multe prize repetor intr-o incinta. Totusi , daca nu este necesar, este recomandat a se folosi cat mai putine posibil, pentru a minimaliza numarul de comunicatii/semnale wireles.

Daca nu aveti zone fara semnal este recomandat sa opriti functia de repetor a Prizei receptor PNI SM441. Din fabrica priza vine cu aceasta functie oprita. Puteti trece peste acest pas daca nu aveti zone fara semnal in incinta.
Daca aveti mai multe prize repetor, este important sa setati o intarziere diferita la fiecare, pentru a evita interferente de semnal. Intarzierea este un parametru care determina cat dureaza de la primirea la retransmiterea semnalului/comenzii. Exista 3 setari pentru fiecare priza repetor:

Pozitie Buton	Rezultat	Cand se foloseste setarea:
1 (stanga)	Repeta semnalul cu o intarziere mica (<0.5 sec)	Pentru primul repetor
2 Mijloc	Repeta semnalul cu o intarziere mai mare (>0.5 sec)	Pentru al doilea repetor
3(Dreapta)	Nu repeta semnalul	Cand nu e nevoie de repetor

Pentru a schimba setarea mutati butonul spre stanga sau spre dreapta. Pozitia 4 nu are rol functional.



11. SPECIFICATII TEHNICE

Alimentare: 230V AC, 50Hz
Consum in standby: 6mA
Sarcina minima: 7W
Sarcina maxima: 200W at 230VAC
Frecventa de operare: 433.9MHz
Temperatura de lucru:-20° C - 60° C Umiditate: 5%-95%
Raza de actiune:Pana la 100m in camp deschis

Plug-In Dimmer / Repeater

PNI SmartHome SM441R ON/OFF

1. INTRODUCTI

Thank you for your purchase of a lighting receiver, Plug-In Dimmer PNI SmartHome SM441R ON/OFF . The receiver module allows you to wirelessly turn on and off, dim and brighten connected lights with the transmitters.

The Plug-In Dimmer with Repeater PNI SmartHome SM441R ON/OFF can communicate with up to 16 transmitters ; Users have the option to add more transmitters to the system, such as more remote controls, or Smart Home Systems like PNI SM400 etc.

All wireless signal communications within the System are based on rolling code technology to ensure highest security is used.

The following items are included in this package:

- Plug-In Dimmer PNI SmartHome SM441R ON/OFF

2. SET

Simply plug the Plug-In Dimmer to an AC electrical outlet, then plug in a light that you would like to operate to the socket on the Plug-In Dimmer. You may place the antenna in the upright position to have the best reception.

The Plug-In Dimmer is designed to operate incandescent light or dimmable compact fluorescent light with a maximum load of 600W at 230VAC. Light bulbs must be dimmable in order to achieve dimming function.

3. PROGRAMMING TRANSMITTE

In order to operate the Plug-In Dimmer PNI SmartHome SM441R ON/OFF remotely with a transmitter or sensor, it must be programmed to the Plug-In Dimmer.

There are 3 operating modes with the Plug-In Dimmer:

1) Regular Mode - When a valid signal is receive it will turn on or off the light, or change the brightness of the light.

2) Flashing Alert Mode - When a valid signal is received, the lig will flash for a specific period of time, which is the time defined in the timer duration. This works as an alert indication.

3) Countdown Timer Mode - When a valid signal is received, the load wi be on for a specific period of time, 1 minute, 5 minutes, 15 minutes, 30 minutes, or 60 minutes. This is mainly for energy saving.

You can program multiple transmitters / sensors to the module and different transmitter / sensor can activate a different mode.

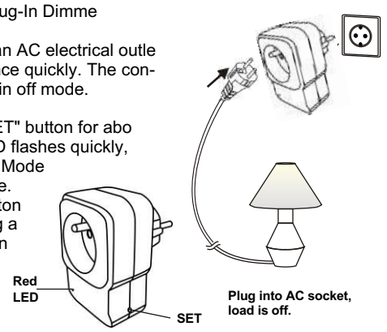
To program a transmitter into the Plug-In Dimmer, follow the instructions below:

Before you program a transmitter to the Plug-In Dimmer, decide the operating mode for this transmitter (Regular Mode, Flashing Alert Mode or Countdown Timer Mode).

1. Plug in a load to the Plug-In Dimme

2. Plug in the module to an AC electrical outle the red LED flashes once quickly. The connected light should be in off mode.

3. Press and hold the "SET" button for abo 3 seconds, the red LED flashes quickly, meaning it is in On/Off Mode programming sequence. Release the "SET" button if you are programming a transmitter to operate in On/Off Mode.



3. PROGRAMMING TRANSMITTERS (CONT)

4. If you are programming a transmitter to operate in Flashing Alert Mod continue to hold the "SET" button for about 10 seconds, until the red LED flashes slowly, then release the "SET" button.

5. If you are programming a transmitter to operate in Countdown Tim Mode, continue to hold the "SET" button for about 10 seconds, until the red LED is on steadily on, then release the "SET" button.

Operating Mode	LED Indication
Regular	Quick Flashes
Flashing Alert	Slow Flashes
Countdown Timer	Steadily On

6. Transmit a "Learn" code from the transmitter. Refer to the manual the transmitter to transmit this "Learn" code.

7. Once the transmitter is programmed, the red LED flashes quickly th stops flashing. You have successfully programmed the transmitter.

Note: You must complete the programming sequence within the 15-second interval, otherwise, the module will quit from programming mode and you need to start again from step 3 if the red LED is off.

4. SET TIMER DURATION

This section is for transmitters that are programmed for Flashing Alert Mode and Countdown Timer Mode.

The timer for both Flashing Alert Mode and Countdown Timer Mode can be set to the following duration, meaning the light will stay on for the following time: 1 minute, 5 minutes, 15 minutes, 30 minutes, or 60 minutes. Only one timer interval can be set. To set the timer duration, follow the instructions below.

1. Plug in the module to an AC socket so it is powered on properl

2. Turn on the connected load by a programmed transmitter. The lo must be on under regular mode in order to set the timer duration.

3. Press and hold the SET button for 3 seconds, the red LED flash once. The number of flashes indicates the timer duration:

Number of Flashes	Timer Duration
1	1 min.
2	5 min.
3	15 min.
4	30 min.
5	60 min.

4. Continue to hold the SET button until it reaches the desired setting. T status will change every 6 seconds, i.e. hold onto the SET button, you will see the number of flashes changes from 1 to 2, 2 to 3, etc.

Note: Once the number of flashes reaches 5, it will stay at this setting. If you would like to go back to other settings, such as 1 flash, release the button and repeat from step 1 to start over.

Once a transmitter (button) is programmed for timer mode or flashing mode, activating this programmed transmitter (button) will turn on the light for the specified timer duration.

During a timer count down, if the module receives another signal for timer operation, the timer will start again and overrides the previous timer, therefore, extending the On period by another timer interval.

To stop a timer count down, press a programmed button for regular mode.

5. REGULAR OPERATING MODE

Under regular mode, the Plug-In Dimmer can control the light in 2 different operating modes.

1) On / Off Mode - Allows operating the light either on or off, without dimming function.

2) Dimming Mode - Allows operating the light in on / off or dimming (dim / brighten). Light must be either incandescent light or dimmable compact fluorescent light.

5. REGULAR OPERATING MODE (CON

WARNING ⚠
Non-dimmable load has to be always working under ON/OFF mode. Using non-dimmable load under dimming mode may damage the non-dimmable CFL.

The factory default operating mode is On / Off mode. However, if your light is dimmable, you may change the operating mode to Dimming Mode. To change the operating modes, please follow the instructions below.

1. Turn on the light by the programmed transmitte

2. Press and hold a button on the transmitter that is programmed the module in “Regular” mode for about 10 seconds.

3. The light will flash. If it flashes once, that means it is in On / Off Mod If it flashes twice, that means it is in Dimming Mode.

4. Repeating step 2 above will toggle the setting between On / Off Mo and Dimming Mode.

5.1 ON / OFF Operation:

The Plug-In Dimmer allows on / off operation, when the programmed button is pressed, it will transmit a signal to toggle the status of a light. For example, if a toggle signal is received when the light is off, that signal will turn on the light.

5.2 Brightness control operation:

Besides turning on and off the light, you may also control the brightness of the light if the light bulb is either incandescent light or dimmable compact fluorescent light.

To change the brightness, first turn on the light.

Press and hold the programmed button on the transmitter will change its brightness. Hold the button until the desired brightness is reached, then release the button.

Press and hold the same button again on the transmitter to change the brightness again in the opposite way. When the desired brightness is reached, release the button.

Refer to the user's instructions of the transmitter for more detailed instructions for dimming operation, as well as other operations such as Zone On / Zone Off, All On / All Off etc.

Note: Press and hold for more than 10 seconds will toggle the mode between ON/OFF and Dimming.

6. FLASHING ALERT OPERATING MO

If a transmitter or a sensor is programmed to the Plug-In Dimmer under the flashing alert mode, when that transmitter is activated, the light connected will flash for the predetermined timer interval and the LED will also flash.The brightness of the light can only be set under regular mode. After the timer interval, the light will be off.

Pressing a programmed button for regular mode can override the flashing alert operation.

7. COUNTDOWN TIMER OPERATING MO

If a transmitter or a sensor is programmed to the Plug-In Dimmer under the countdown timer mode, when that transmitter is activated, the light connected will be on for the predetermined timer interval and the LED will also be on. The brightness of the light can only be set under regular mode. After the timer interval, the light will be off.

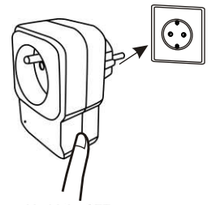
Pressing a programmed button for regular mode can override the countdown timer operation.

8. ERASING TRANSMITTERS FROM THE MODU

You may erase a transmitter or sensor from the module, but you cannot erase a specific device directly, you must erase all the wireless devices, then program the ones you want to keep. Follow the instructions below to erase programmed transmitters / sensors.

8. ERASING TRANSMITTERS FROM THE MODULE (CON

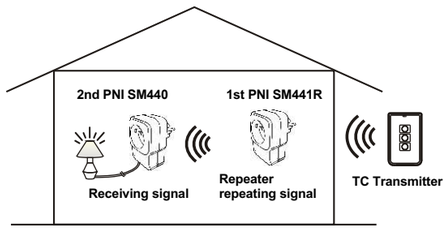
1. Power off the Plug-In Dimmer removing it from the AC socket.
2. Press and hold the SET button, whi plugging in the module to an AC outlet.
3. The red LED will be on first, then flash rapidly for 1 second, then ON and Off.
4. You may release the S button now.
5. ow you have successfully erased all the devices.



Press and hold the SET button while plugging it in to an AC outlet

9, REPEATER (For Model PNI 441R

The Plug-In Dimmer with Repeater can also repeat wireless signals from any System transmitters to any System receiver in range. This increases the operating range or eliminates dead spots.



As a general rule of thumb, if you are experiencing dead spots, you may place the Plug-In Dimmer with Repeater in the middle of transmitter and receiver to see if you can eliminate the dead spots. If so, you can leave the Plug-In Dimmer with Repeater there. If the dead spot still exists, you can place the Plug-In Dimmer with Repeater somewhere else until the receiver response to the transmitter.

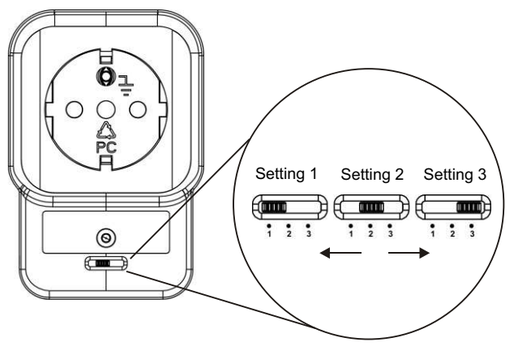
You can have multiple repeaters operating in one premise. However, unless it is necessary, it is suggested to keep the number of repeaters as few as possible to reduce the number of wireless signals.

If you do not experience dead spot, it is recommended that you switch off the repeating function. The factory default setting is off for the repeater function. You can skip this step if you do not experience dead spot.

If you have multiple repeaters, it is important to set the delay time of each repeater to be different in order to avoid signal collision. The delay time indicates how soon the signal will be repeated after it is received by repeater. There are 3 positions for the switch.

Switch Position	Results	When to use this setting:
1 (Left)	Repeat with slight delay (<0.5 sec)	For the first repeater
2	Repeat with more delay (>0.5 sec)	For the second repeater
3(Right)	No repeat	If you do not experience dead spot

To change the setting,place the sliding switch position at the desired setting. Position 4 is just for service.



11. TECHNICAL SPECIFICATIONS

Input Voltage: 230V AC, 50Hz
Standby Current: 6mA
Minimum Load: 7W
Maximum Load: 200W at 230VAC
Operating Frequency: 433.9MHz
Operational Temperature: -4° F - 140° F (-20° C - 60° C)
Humidity: 5%-95%
Range: Up to 500 feet in open area

12.

Declaration of Conformity
This equipment complies with the requirements relating to electromagnetic compatibility, EN 300220-2, EN301489-3, EN61058-1.
This equipment conforms to the essential requirement of the Directive (1999/5/EC) of the European Parliament and of the Council.

13. WARRA

If, within one year from date of purchase, this product should become defective (except battery), due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase and a Return Authorization are required.

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