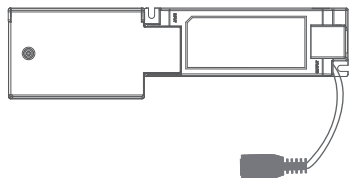




## Vling DALI Driver



**Installationsanleitung für LED Konverter**  
**Installation Manual for LED Driver**  
**Installatiehandleiding voor LED Converterer**  
**Instructions d'installation pour Convertisseur LED**

**V830001ZD0W**

### DE

#### SICHERHEITSHINWEISE

Die Installation und Inbetriebnahme, die Wartung, der Austausch sowie die Deinstallation darf nur durch eine qualifizierte Elektrofachkraft vorgenommen werden. Die landesspezifischen Elektorinstallationsvorschriften sind einzuhalten.

**ACHTUNG!** Vor der Installation ist die Sicherung auszuschalten und erst nach vollständiger Installation und Prüfung wieder einzuschalten. Stellen Sie sicher, dass bei der Montage und Verdrahtung von Leuchten oder Versorgungsgeräten keine Spannung anliegt.

Das Gerät muss entsprechend der Montageanleitung installiert werden. Jede unsachgemäße Verwendung oder Montageart kann die Sicherheit beeinträchtigen.

Bei einem Defekt des Gerätes kontaktieren Sie unbedingt und unverzüglich den Händler oder Hersteller.

Die Wartungshinweise sind unbedingt zu beachten. Das Eindringen von Feuchtigkeit ist zu vermeiden.

Die Montageanleitung ist aufzubewahren.

Technische Änderungen vorbehalten.

Informationen zur Deinstallation und Entsorgung entnehmen Sie unserer Website.

### EN

#### SAFETY INSTRUCTIONS

Installation and commissioning, maintenance, replacement, and deinstallation must only be performed by a qualified electrician. National-specific electrical installation regulations must be followed.

**WARNING!** Before installation, the circuit breaker must be turned off and only turned on again after complete installation and inspection. Ensure there is no voltage present during the installation and wiring of luminaires or power supplies.

The device must be installed according to the installation instructions. Any improper use or installation can compromise safety.

In case of device defect, contact the dealer or manufacturer immediately. Maintenance instructions must be strictly followed. The ingress of moisture must be avoided. The installation manual must be kept. Technical changes reserved.

For information on deinstallation and disposal, please refer to our website.

### NL

#### VEILIGHEIDSIINSTRUCTIES

Installatie en ingebruikname, onderhoud, vervanging en de-installatie mogen alleen worden uitgevoerd door een gekwalificeerde elektricien. Land specifieke elektrotechnische installatieregels moeten worden gevolgd.

**WAARSCHUWING!** Voordat u begint met de installatie, moet de zekering worden uitgeschakeld en pas weer worden ingeschakeld na volledige installatie en inspectie. Zorg ervoor dat er tijdens de montage en bedrading van armaturen of voedingen geen spanning aanwezig is.

Het apparaat moet volgens de installatie-instructies worden geïnstalleerd. Elk onjuist gebruik of verkeerde installatie kan de veiligheid in gevaar brengen.

Bij een defect van het apparaat dient u onmiddellijk contact op te nemen met de dealer of fabrikant. Onderhoudsinstructies moeten strikt worden opgevolgd. Het binnendringen van vocht moet worden vermeden. De installatiehandleiding moet worden bewaard. Technische wijzigingen voorbehouden.

Voor informatie over de-installatie en verwijdering, raadpleeg onze website.

### FR

#### CONSIGNES DE SÉCURITÉ

L'installation et la mise en service, l'entretien, le remplacement ainsi que la désinstallation doivent être effectués uniquement par un électricien qualifié. Les réglementations nationales spécifiques à l'installation électrique doivent être respectées.

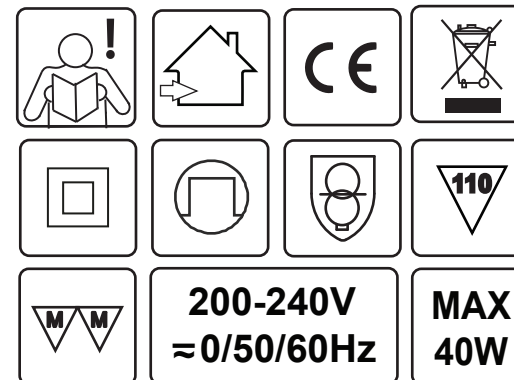
**ATTENTION !** Avant l'installation, le disjoncteur doit être coupé et ne doit être réactivé qu'après une installation et une vérification complètes. Assurez-vous qu'aucune tension n'est présente lors du montage et du câblage des luminaires ou des alimentations.

Le dispositif doit être installé conformément aux instructions de montage. Toute utilisation ou installation incorrecte peut compromettre la sécurité.

En cas de défaillance de l'appareil, contactez immédiatement le revendeur ou le fabricant. Les instructions d'entretien doivent être strictement suivies. L'intrusion d'humidité doit être évitée.

Le manuel d'installation doit être conservé. Modifications techniques réservées.

Pour des informations sur la désinstallation et l'élimination, veuillez consulter notre site Web.



Technische Modifikationen vorbehalten/  
 Subject to technical modifications/  
 Technische wijzigingen voorbehouden/  
 Sous réserve de modifications techniques

🌐 [vysn-group.com](http://vysn-group.com)  
 ✉ [service@vysn-group.com](mailto:service@vysn-group.com)

30.12.24/©VYSN GmbH/Siemensstr. 12/52525 Heinsberg



# Consant current independent dimmable driver DALI+PushDim

**Important:** Read All Instructions Prior to Installation

## Technical data

Output parameters	
Regulation method	Constant Current
Rated output current range	0.6-1.05A
Rated output voltage range	24-38/40/42VDC
Rated output power	40W Max
Output current adjustment	DIP S.W(10 levels)
Output current ripple LF	±2%
Output current accuracy	±5%
Linear regulation	±1%
Load regulation	±3%
No load output voltage	50VDC
Flicker-free(typical)	Flickering percent(IEEE 1789)=0.169%, Flicker index(IEEE 1789)=0.000, Pst LM = 0.000, SVM = 0.003, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC 200-240VDC
Input voltage range	180-264VAC 200-264VDC
Input votage shock	<380 V AC
Input current	<0.23A (Rated input voltage)
Input frequency	0/50/60Hz
Input PF/Input DF	PF:0.97 DF:0.98
Input THD	12.5%
Efficiency(Max)	89%
In-rush current	14.75A peak ,256us duration(50 % Ipeak)
Start/Switchover/Turn off	<0.7s(AC start),<0.7s(DC start),<0.3s(AC/DC switchover),<0.5s(Turn off)
Switching cycles	> 50,000 switching cycles
Power consumption	Full load (Pin):44.9W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Control interface	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA
pushDIM dimming port	Voltage range: 180-264V 47/63Hz
Dimming range	1-100%
Dimming drive mode	AM(amplitude modulation)

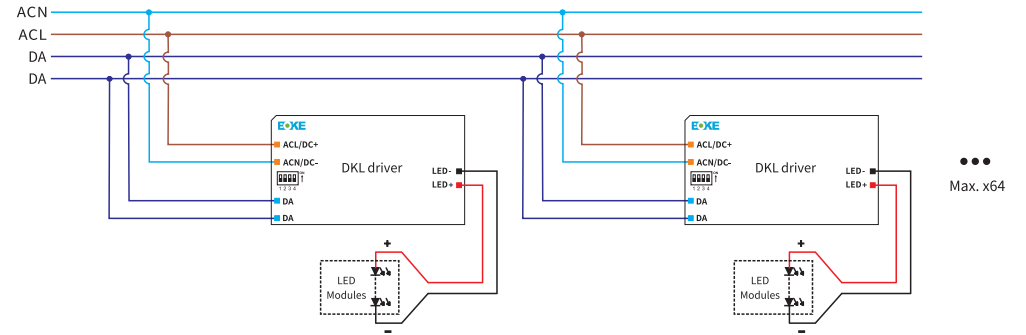
## DIP-switch & output current

Output			Dimming depth				
Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4	
25.2	600	24-42	--	ON	ON	ON	1.75%
27.3	650	24-42	ON	--	ON	ON	1.62%
29.4	700	24-42	--	--	ON	ON	1.50%
31.5	750	24-42	--	ON	--	ON	1.40%
33.6	800	24-42	--	--	--	ON	1.31%
35.7	850	24-42	ON	ON	ON	--	1.24%
37.8	900	24-42	--	--	ON	--	1.17%
39.9	950	24-42	--	ON	--	--	1.11%
40.0	1000	24-40	ON	--	--	--	1.05%
39.9	1050	24-38	--	--	--	--	1.00%

**Remarks:**  
-- It means that this channel is OFF.

## DALI dimming application

### Wiring diagram



### Switch to the DALI dimming mode

- After installation according to the wiring diagram of DALI dimming application,the driver will automatically switch to the DALI control mode after receiving any DALI command.

### Remarks:

- Standard DALI control line voltage range:9.5V to 22.5V ,type 16V.
- The two DALI control lines polarity-reversible.
- Max. 64 DALI drivers per DALI control line.
- The maximum distance length of the DALI control line is 300m at 2 × 1.5mm<sup>2</sup>.
- DALI bus can be wired together with any mains voltage cables, but separate wiring is recommended.
- The configuration parameters of the driver can be set through the DALI configuration tool or DALI application controller during installation, such as setting device address, group address, power-on level, bus-failure level, scene level, fade time, dimming curve, etc.

Please refer to the table below

Cable size	Distance
2 × 0.50mm <sup>2</sup>	max.100m
2 × 0.75mm <sup>2</sup>	max.150m
2 × 1.00mm <sup>2</sup>	max.200m
≥ 2 × 1.50mm <sup>2</sup>	max.300m

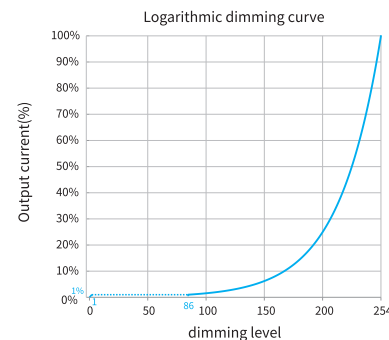
### Power-on level :

When the driver is in DALI-2 dimming mode, the factory default level after each power-on is the brightest.

The power-on level can be set through the DALI configuration tool or DALI application controller during installation, and can be set to memory or fixed any brightness (such as off, darkest, 50%, etc.).

Note: The recommended setting for the default factory power-on level of the DALI-2 driver is the brightest in the DALI-2 standard.

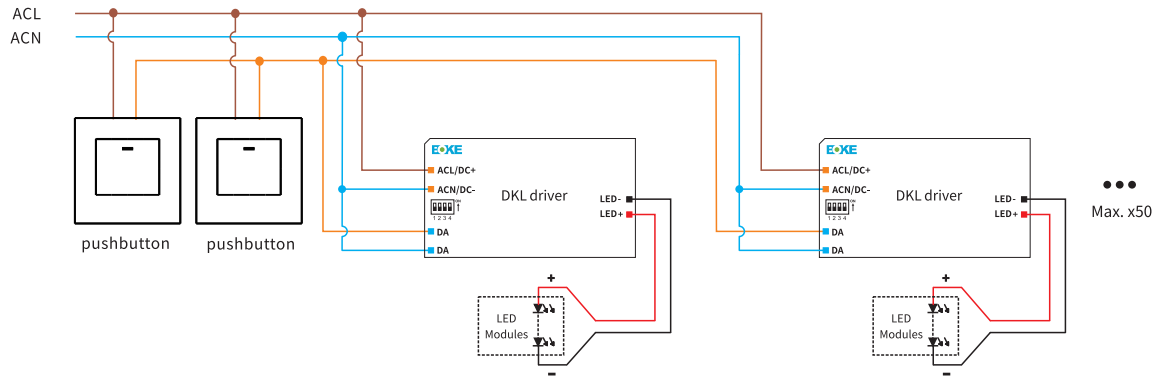
### Dimming curve



Remarks: The dimming curve can be selected by DALI configuration. The default is logarithmic dimming curve.

## pushDIM dimming application

### Wiring diagram



### Switch to the pushDIM dimming mode

- After installation according to the wiring diagram of pushDIM dimming application, short press the pushbutton 1 times or short press the pushbutton 5 times quickly within 3s, the driver will automatically switch to the pushDIM dimming mode.

### Remarks:

Max. 50 drivers per pushDIM control line.

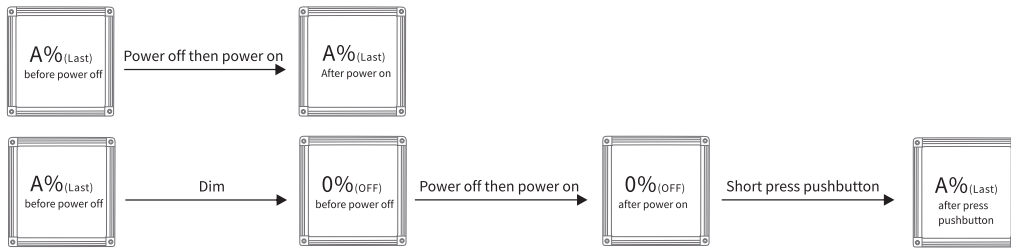
Turn on or turn off: short press pushbutton for 0.2-1s.

Dimming: long press pushbutton for 1-5s.

Power on status: after power on, the light state will be the same as the lighting on state.

If the light is on before power on, the light will be on after power on again, brightness will be the same as the last lighting on brightness.

If the light is off before power off, the light will be off after power on again, short press the pushbutton, then the light will be on, the brightness will be the same as the last brightness.



### Multiple lights synchronize control operation

method 1:

Step 1: long press the pushbutton, confirm each light is on.

Step 2: short press the pushbutton, confirm each light is off.

Step 3: long press the pushbutton, confirm each light is from darkest to brightest and all the lights are synchronous.

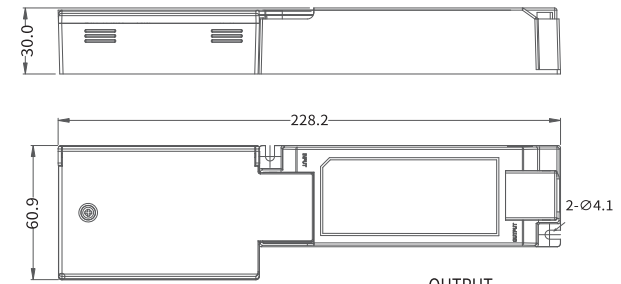
method 2:

- Long press the pushbutton 15s, all lights output to the brightest state.

## Mechanical Specification

### Size

Unit: mm



### OUTPUT

Numbering	function
1	LED-
2	LED+

### INPUT

Numbering	function
1	ACL/DC+
2	ACN/DC-
3	DA
4	DA

Input wire  
0.75-1.5mm<sup>2</sup>  
8-9mm

Output wire  
0.5-1.0mm<sup>2</sup>  
8-9mm

### Installation note

#### Hot plug-in

- Hot plug-in is not supported due to residual output voltage of > 0 V.

- If a LED load is connected the device has to be restarted.

- Restart can be achieved by re-powering the driver or executing a on/off command (action) through the control interface (DALI, pushDIM, 1-10V)

#### Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.

- Mains leads should be kept apart from LED Driver and other leads (ideally 5 - 10 cm distance)

- Max. length of output wires is 2 m.

- Incorrect wiring can damage LED modules.

#### Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.

- The installation ambient temperature of the drive shall not exceed the value of Ta at any time.

- The temperature of the mounting surface of the driver should be lower than 40°C

- The driver should keep a certain distance from the heating stuff (such as the luminaire radiator). the installation of the driver should also meet the following conditions:

1. The driver should be a certain distance between the drivers, as shown in Figure 1.
2. The driver keeps a certain distance from surrounding objects, as shown in Figure 2.
3. Two power outputs cannot be connected in parallel.

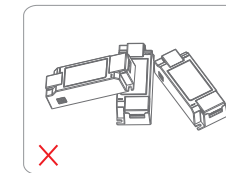


Figure 1

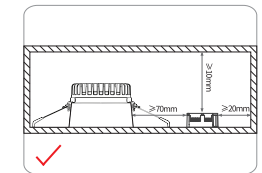
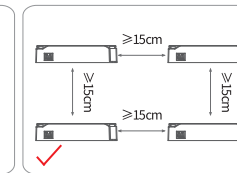


Figure 2

### Mounting screw specifications and torque

- Max. torque at the clamping screw: 0.5 Nm / M4

## DE-Entsorgung (Europäische Union)

Bitte das Produkt nicht über den Hausmüll entsorgen! Produkte, die mit diesem Symbol gekennzeichnet sind, müssen gemäß der WEEE-Richtlinie für Elektro- und Elektronik-Altgeräte über lokale Sammelstellen für Elektroschrott entsorgt werden. Altbatterien und Akkus, die nicht fest im Gerät verbaut sind, sowie Lampen, die sich zerstörungsfrei entnehmen lassen, sind vor der Abgabe an eine Sammelstelle vom Gerät zu trennen. Händler sind gesetzlich verpflichtet, Altgeräte vom Endnutzer zurückzunehmen. Alternativ kann das Altgerät an folgende Adresse geschickt werden:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## EN-Disposal (European Union)

Please do not dispose of the product with household waste! Products marked with this symbol must be disposed via local e-waste collection points in accordance with the WEEE Directive for Waste Electrical and Electronic Equipment. Used batteries and accumulators that are not permanently installed in the device, as well as lamps that can be removed without being destroyed, must be separated from the device before being handed over to a collection point. Dealers are legally obliged to take back old devices from the end user. Alternatively, the old device can be sent to the following address:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## NL - informatie over recycling (Europese Unie)

Gooi het product niet weg met het huishoudelijk afval! Producten gemarkeerd met dit symbool moeten worden afgevoerd via plaatselijke inzamelpunten voor elektronisch afval in overeenstemming met de WEEE-richtlijn voor afgedankte elektrische en elektronische apparatuur. Gebruikte batterijen en accu's die niet permanent in het apparaat zijn geïnstalleerd, evenals lampen die kunnen worden verwijderd zonder te worden vernietigd, moeten van het apparaat worden gescheiden voordat ze worden ingeleverd bij een inzamelpunt. Dealers zijn wettelijk verplicht oude apparaten terug te nemen van de eindgebruiker. Als alternatief kan het oude apparaat naar het volgende adres worden verzonden:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## FR-informations sur le recyclage (Union européenne)

Veillez ne pas jeter le produit avec les ordures ménagères ! Les produits marqués de ce symbole doivent être éliminés via les points de collecte des déchets électroniques locaux conformément à la directive DEEE relative aux déchets d'équipements électriques et électroniques. Les piles et accumulateurs usagés qui ne sont pas installés de manière permanente dans l'appareil, ainsi que les lampes qui peuvent être retirées sans être détruites, doivent être séparés de l'appareil avant d'être remis à un point de collecte. Les revendeurs sont légalement tenus de reprendre les anciens appareils de l'utilisateur final. Alternativement, l'ancien appareil peut être envoyé à l'adresse suivante :

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



Points de collecte sur [www.quefairede mesdechets.fr](http://www.quefairede mesdechets.fr)  
Privilégiez la réparation ou le don de votre appareil !

## IT-informazioni sul riciclaggio (Unione Europea)

Si prega di non smaltire il prodotto con i rifiuti domestici! I prodotti contrassegnati con questo simbolo devono essere smaltiti tramite i punti di raccolta locali dei rifiuti elettronici in conformità con la Direttiva RAEE per i rifiuti di apparecchiature elettriche ed elettroniche. Le batterie e gli accumulatori usati che non sono installati in modo permanente nell'apparecchio, nonché le lampade che possono essere rimosse senza essere distrutte, devono essere separati dall'apparecchio prima di essere consegnati a un punto di raccolta. I rivenditori sono legalmente obbligati a riprendere i vecchi dispositivi dall'utente finale. In alternativa è possibile spedire il vecchio dispositivo al seguente indirizzo:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## ES-información sobre reciclaje (Unión Europea)

¡No deseche el producto con la basura doméstica! Los productos marcados con este símbolo deben eliminarse a través de puntos locales de recolección de desechos electrónicos de acuerdo con la Directiva WEEE para desechos de equipos eléctricos y electrónicos. Las pilas y acumuladores usados que no estén instalados permanentemente en el aparato, así como las lámparas que puedan retirarse sin destruirse, deben separarse del aparato antes de entregarse en un punto de recogida. Los distribuidores están obligados legalmente a recuperar los dispositivos viejos del usuario final. Alternativamente, el dispositivo antiguo se puede enviar a la siguiente dirección:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## DA-Bortskaffelse (EU)

Bortskaf ikke produktet sammen med husholdningsaffaldet! Produkter mærket med dette symbol skal bortskaffes via lokale indsamlingssteder for elektronisk affald i overensstemmelse med WEEE-direktivet for affald af elektrisk og elektronisk udstyr. Brugte batterier og akkumulatører, der ikke er fast installeret i apparatet, samt lamper, der kan fjernes uden at blive ødelagt, skal adskilles fra apparatet, inden det afleveres til et indsamlingssted. Forhandlere er juridisk forpligtet til at tage gamle enheder tilbage fra slutbrugeren. Alternativt kan den gamle enhed sendes til følgende adresse:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## PL - Utylizacja (Unia Europejska)

Prosimy nie wyrzucać produktu razem z odpadami domowymi! Produkty oznaczone tym symbolem należy utylizować w lokalnych punktach zbiórki elektroodpadów zgodnie z dyrektywą WEEE dotyczącą zużytego sprzętu elektrycznego i elektronicznego. Zużyte baterie i akumulatory, które nie są zamontowane na stałe w urządzeniu, a także lampy, które można wyjąć bez zniszczenia, należy oddzielić od urządzenia przed oddaniem do punktu zbiórki. Dealerzy są prawnie zobowiązani do odbioru starych urządzeń od użytkownika końcowego. Alternatywnie stare urządzenie można wysłać na adres:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## RU - Утилизация (Европейский Союз)

Пожалуйста, не выбрасывайте изделие вместе с бытовыми отходами! Продукты, отмеченные этим символом, должны утилизироваться через местные пункты сбора электронных отходов в соответствии с Директивой WEEE об отходах электрического и электронного оборудования. Исползованные батарейки и аккумуляторы, не установленные в устройстве стационарно, а также лампы, которые можно снять без разрушения, перед сдачей в пункт приема необходимо отделить от устройства. Дилеры по закону обязаны забрать старые устройства у конечного пользователя. Альтернативно старое устройство можно отправить по следующему адресу:  
**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## SW - Avfallshantering (Europeiska unionen)

Vänligen släng inte produkten med hushållsavfallet! Produkter märkta med denna symbol måste kasseras via lokala insamlingsställen för e-avfall i enlighet med WEEE-direktivet för avfall från elektrisk och elektronisk utrustning. Förbrukade batterier och ackumulatörer som inte är permanent installerade i enheten, samt lampor som kan tas bort utan att förstöras, ska separeras från enheten innan de lämnas till en insamlingsplats. Återförsäljare är enligt lag skyldiga att ta tillbaka gamla enheter från slutanvändaren. Alternativt kan den gamla enheten skickas till följande adress:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## TR - Bertaraf (Avrupa Birliği)

Lütfen ürünü ev atıklarıyla birlikte atmayın! Bu sembole işaretlenen ürünler, Atık Elektrikli ve Elektronik Ekipmanlara ilişkin WEEE Direktifine uygun olarak yerel e-atık toplama noktaları aracılığıyla imha edilmelidir. Cihazı kalıcı olarak takılmayan kullanılmış piller ve akümülatörler ile imha edilmeden çıkarılabilen lambalar, bir toplama noktasına teslim edilmeden önce cihazdan ayrılmalıdır. Bayiler yasal olarak eski cihazları son kullanıcıdan geri almakla yükümlüdür. Alternatif olarak eski cihaz aşağıdaki adrese gönderilebilir:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**



## HU - Ártalmatlanítás (Európai Unió)

Kérjük, ne dobja ki a terméket a háztartási hulladékkal együtt! Az ezzel a szimbólummal jelölt termékeket az elektromos és elektronikus berendezések hulladékaira vonatkozó WEEE-irányelvnek megfelelően a helyi e-hulladék-gyűjtőhelyeken kell leadni. A készülékbe nem tartósan beszerelt használt elemeket és akkumulátorokat, valamint a tönkremenetel nélkül eltávolítható lámpákat a gyűjtőhelyre történő átadás előtt le kell választani a készülékről. A kereskedőknek törvényi kötelezettségük van a régi készülékek visszavételére a végfelhasználótól. Alternatív megoldásként a régi készüléket elküldheti a következő címre:

**VYSN GmbH, Siemensstraße 12, 52525 Heinsberg**

