FCC/IC

MANUAL • MANUEL • MANUAL

iDevices

IDEVZ05TW

In-Wall Smart Dimmer
Montage mural gradateur intelligent
Interruptor de pared reductor de luz inteligente

Convert any smart control* to a multi-location switch
*For a list of compatible devices, visit www.hubbell-wiring.com

Smart Control   Add-on Switches

To purchase an add-on switch or for more details, visit www.hubbell-wiring.com.

Each smart control supports up to 4 add-on switches
www.hubbell-wiring.com

Purchase additional items at www.hubbell-wiring.com or visit your local retailer.

In-Wall Tamper-Resistant Smart Outlet

In-Wall Smart Dimmer

In-Wall Smart Fan Control

In-Wall Motion Switch

HUBBELL ®

WARNING / ADVERTENCIA

RISK OF FIRE
RISK OF ELECTRICAL SHOCK
RISK OF BURNS

CONTROLLING APPLIANCES:
CAUTION:
TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT, DO NOT INSTALL TO CONTROL RECEPTACLE, MOTOR-OPERATED APPLIANCE, FLUORESCENT LIGHTING FIXTURE OR TRANSFORMER-SUPPLIED APPLIANCE.
• ONLY USE TO CONTROL INCANDESCENT OR DIMMABLE CFL/LED BULBS
• DO NOT EXCEED RATINGS
• DO NOT USE TO CONTROL ANY DEVICE WHERE UNINTENDED OPERATION COULD CAUSE UNSAFE CONDITIONS (HEAT LAMP, SUN LAMP, ETC.)
• FOR INDOOR USE ONLY

RIESGO DE INCENDIO
RIESGO DE DESCARGA ELÉCTRICA
RIESGO DE QUEMADURAS

CONTROL DE APARATOS:
PRECAUCIÓN:
A FIN DE DISMINUIR EL RIESGO DE RECALENTAMIENTO Y DE POSIBLES DAÑOS EN LOS DEMÁS EQUIPOS, NO INSTALAR PARA CONTROLAR APARATOS QUE FUNCIONAN CON MOTOR, ARTEFACTOS DE ILUMINACIÓN DE LUZ FLUORESCENTE O APARATOS ALIMENTADOS CON TRANSFORMADORES.
• USAR EXCLUSIVAMENTE PARA CONTROLAR BOMBILLAS CFL/LED INCANDESCENTES O ATENUABLES
• NO SUPERE LOS VALORES NOMINALES ELÉCTRICOS
• NO USAR PARA CONTROLAR DISPOSITIVOS
• USE SOLAMENTE EN INTERIORES

AVERTISSEMENT

RISQUE D'INCENDIE
RISQUE DE CHOC ÉLECTRIQUE
RISQUE DE BRÛLURES

COMMANDE DES APPAREILS :
ATTENTION :
GRADATEURS COMMANDANT UNE LAMPE A FILAMENT DE TUNGSTENE- AFIN DE REDUIRE LE RISQUE DE SURCHAUFFE ET LA POSSIBILITE D'ENDOMMAGEMENT A D'AUTRES MATERIELS, NE PAS INSTALLER POUR COMMANDER UNE PRISE, UN APPAREIL A MOTEUR, UNE LAMPE FLUORESCENTE OU UN APPAREIL ALIMENTE PAR UN TRANSFORMATEUR.
• UTILISER SEULEMENT POUR COMMANDER LES AMPOULES À DEL ET FLUOCOMPACTES À INCANDESCENCE OU À INTENSITÉ RÉGLABLE
• NE PAS DÉPASSER LES CARACTÉRISTIQUES NOMINALES
• NE PAS UTILISER POUR COMMANDER DES APPAREILS POUR LESQUELS UN FONCTIONNEMENT IMPRÉVU POURRAIT ENTRAÎNER DES CONDITIONS DANGEREUSES (LAMPE À RAYONS INFRAROUGES, LAMPE SOLAIRE, ETC.)
• POUR UTILISATION INTÉRIEURE UNIQUEMENT

NOT FOR USE WITH MEDICAL OR LIFE-SUPPORT EQUIPMENT
Z-WAVE ENABLED DEVICES SHOULD NEVER BE USED TO SUPPLY POWER TO OR CONTROL THE ON/OFF STATUS OF MEDICAL OR LIFE-SUPPORT EQUIPMENT.

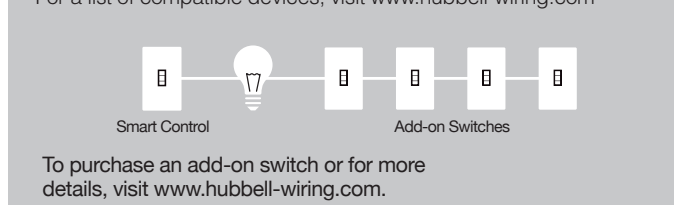**NE PAS UTILISER AVEC UN ÉQUIPEMENT MÉDICAL OU DE SURVIE**
LES DISPOSITIFS COMPATIBLES AVEC LA TECHNOLOGIE Z-WAVE NE DEVRAIENT JAMAIS ÊTRE UTILISÉS POUR ALIMENTER OU COMMANDER LA MISE EN MARCHE OU L'ARRÊT DE L'ÉQUIPEMENT MÉDICAL OU DE SURVIE.

SE PROHÍBE SU EMPLEO EN EQUIPO MÉDICO O EQUIPO PARA EL MANTENIMIENTO DE LAS FUNCIONES VITALES
LOS DISPOSITIVOS Z-WAVE NUNCA SE DEBEN USAR PARA SUMINISTRAR ENERGÍA ELÉCTRICA AL EQUIPO MÉDICO O AL EQUIPO PARA EL MANTENIMIENTO DE FUNCIONES VITALES, NI PARA CONTROLAR EL ESTADO DE ENCENDIDO O APAGADO DE DICHOS EQUIPOS.

Wiring Devices-Kellems

SPECIFICATIONS
IDEVZ05TW
Power: 120VAC, 60Hz
Signal (Frequency): 908.4/916MHz
Maximum loads: 1-gang 600W, 2-gang 500W or 3-gang 400W incandescent, 300W dimmable CFL/LED
Range: Up to 150ft. line of sight between the wireless controller and the closest Z-Wave receiver module
Operating temperature range: 32-104° F (0-40° C)
For indoor use only
Type 1 enclosure, independently mounted (vertical position only), operating control: type 1.C action, pollution degree (2), impulse voltage (2500V), software class A
Specifications subject to change without notice due to continuing product improvement

SPÉCIFICATIONS
IDEVZ05TW
Tension: 120VCA, 60Hz
Signal (fréquence): 908.4/916MHz
Charges maximales : 1 compartiments 600W, 2 compartiments 500W 3 compartiments 400W lampes à incandescent 3000W ampoules à DEL et fluocompactes à intensité réglable
Portée : Distance à vue entre la télécommande et le module de réception Z-Wave le plus proche allant jusqu'à 45.7m
Plage de températures de fonctionnement : de 32 à 104° F (de 0 à 40° C)
Utilisation intérieure uniquement
Boîtier de type 1, monté indépendamment (position verticale seulement), intervention de type 1.c commande de fonctionnement, degré de pollution (2), tension de choc de (2500V), logiciel de classe A
En raison d'améliorations continues du produit, les spécifications peuvent faire l'objet de changements sans préavis

ESPECIFICACIONES
IDEVZ05TW
Alimentación: 120VCA, 60Hz
Señal (frecuencia): 908.4/916MHz
Cargas máximas: Caja para 1 conexiones 600W, caja para 2 conexiones 500W, caja para 3 conexiones 400W solo las lámparas incandescente 300W CFL/LED atenuables
Alcance: Hasta 45.7m en línea de visión directa entre el control remoto inalámbrico y el módulo receptor Z-Wave más cercano
Rango de temperatura de funcionamiento: 32-104° F (0-40° C)
Para uso en espacios interiores solamente
Recinto de tipo 1, independientemente montado (solo en posición vertical), acción tipo 1.c de control de operación, grado de contaminación (2), voltaje de impulso (2500V), software de clase A
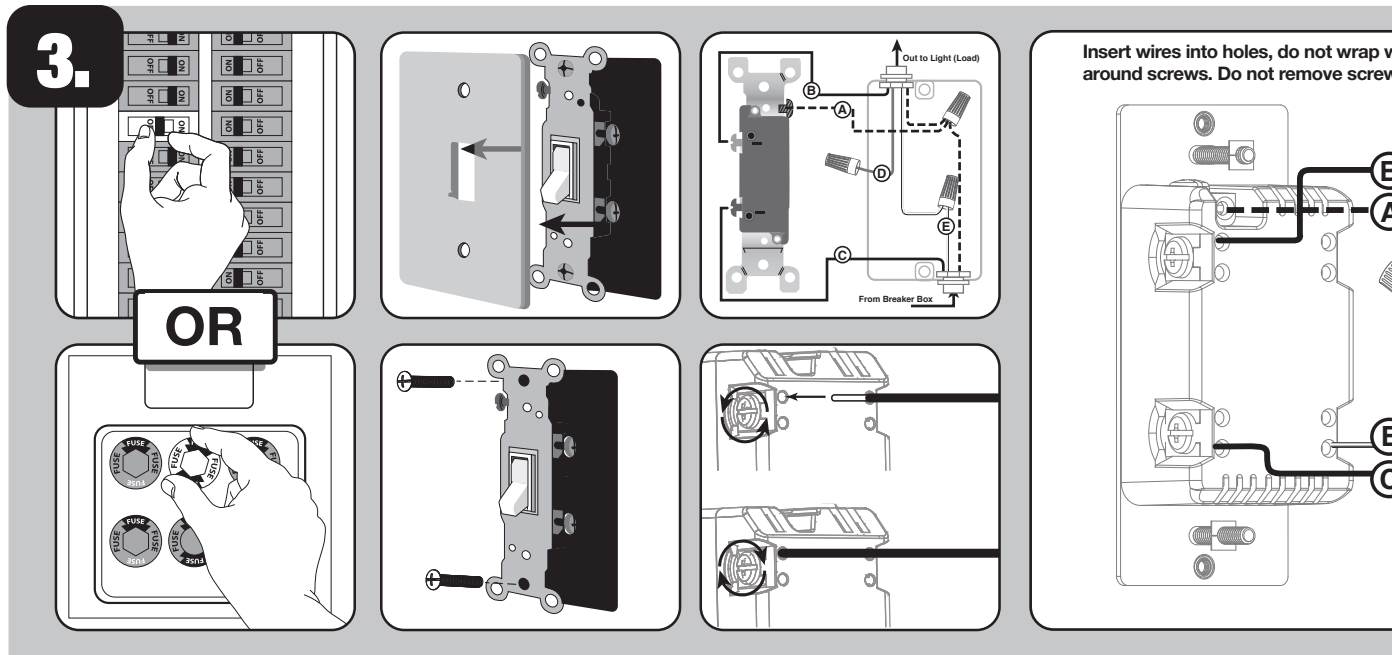Especificaciones sujetas a cambio sin aviso debido a continuas mejoras del producto

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1.

Tools You Will Need
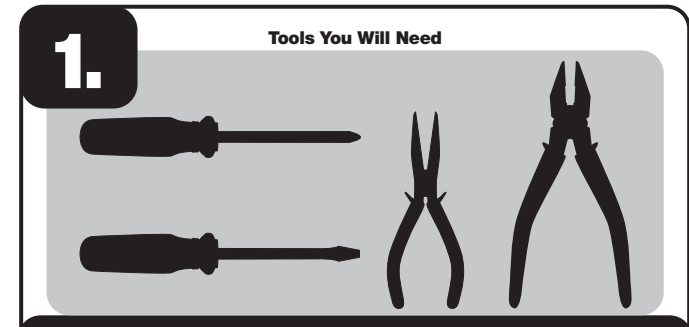
IMPORTANT!
The fixture controlled by the Z-Wave in-wall smart dimmer must not exceed 600W incandescent; 300W dimmable CFL/LED. The dimmer is designed only for use with permanently installed fixtures.

Getting to know your new Z-Wave device

• Turn ON/OFF and adjust dim levels manually or remotely via the Z-Wave controller
• Can be included in multiple groups and scenes
• May be used in single-pole installation or with up to four add-on switches in 3-way or 4-way wiring configurations
• Compatible with all incandescent and most dimmable CFL/LED bulbs
• Auto line/load detection
• Uses a standard toggle wallplate for single-gang installations (wallplate not included)
• Z-Wave certified for simple pairing and integrated home automation
• Screw terminal installation — requires wiring connections for line (hot), load, neutral and ground. Traveler wire required for 3-way or 4-way installation
• This Z-Wave device has advanced features that allow you to customize your experience. These features can only be adjusted by a Z-Wave enabled controller that supports the Z-Wave configuration command class. For a complete list of adjustable configurations, visit www.hubbell-wiring.com

2.
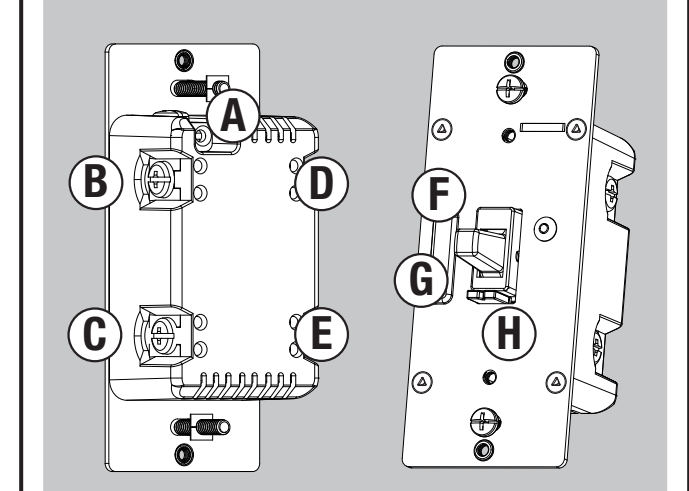
A. **Ground** (Green/Bare)
B. **Line or Load** (Black)
C. **Line or Load** (Black)
D. **Traveler** (Red/Other)
E. **Neutral** (White)
F. **Up —** Press & release to turn dimmer on, press & hold to increase brightness
G. **Down —** Press & release to turn dimmer off, press & hold to dim
H. **Air gap —** Replace light bulb, turn off power by sliding switch to the left

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3.

OR

Insert wires into holes, do not wrap wires around screws. Do not remove screws.

Out to Light (Load)

From Breaker Box

WARNING — SHOCK HAZARD
Turn OFF the power to the branch circuit for the switch and lighting fixture at the service panel. All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the switch. This device is intended for installation in accordance with the National Electric Code and local regulations in the United States or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation, consult a qualified electrician.

Multi-switch wiring
For 3-way installations, please refer to iDevices add-on switch manual.
Single-switch wiring
1. Shut off power to the circuit at circuit breaker or fuse box.
IMPORTANT! Verify power is OFF to switch box before continuing.
2. Remove wallplate.
3. Remove the switch mounting screws.
4. Carefully remove the switch from the switch box. DO NOT disconnect the wires. There are up to five screw terminals on the dimmer; these are marked:
   A. GROUND — Green/Bare
   B. LINE or LOAD — Black (connected to power or lighting)
   C. LINE or LOAD — Black (connected to power or lighting)
   D. TRAVELER — Red/Other (only in 3-way installations)
   E. NEUTRAL — White
   Match these screw terminals to the wires connected to the existing switch.
5. Disconnect the wires from the existing switch. Label wires according to the previous terminal connection.

Observe important wiring information
IMPORTANT! This dimmer is rated for and intended to only be used with copper wire.
Wire gauge requirements

Use 14AWG or larger wires suitable for at least 80°C for supplying line (hot), load, neutral, ground and traveler connections.
Wire strip length
Attach using the enclosure's holes, strip insulation 5/8in. (16mm).
UL specifies the tightening torque for the screws is 14Kgf-cm (12lbf-in).
1. Connect the green or bare copper ground wire to the GROUND terminal.
2. Connect the black wire from the light to either LINE/LOAD terminal.
3. Connect the black wire from the electrical service panel (hot) to the other LINE/LOAD terminal.
4. Connect the white wire to the NEUTRAL terminal (use jumper wire if needed).
NOTE: The traveler terminal is only used for 3-way or 4-way wiring and should remain unused if the switch is installed in a 2-way system (one switch & one load).
5. Insert dimmer into the switch box being careful not to pinch or crush wires.
6. Dimmer must be independently mounted (vertical position only).
7. Secure the dimmer to the box using the supplied screws.
8. Mount the wallplate.
9. Reapply power to the circuit at fuse box or circuit breaker and test the system.

Basic operation
The connected light can turn ON/OFF and adjust dim levels in two ways:
1. Manually from the front panel of the in-wall dimmer.
2. Remotely with a Z-Wave controller.
Manual control
The front-panel toggle allows the user to turn ON/OFF the connected fixture.
1. To turn the connected fixture ON, press up and release the toggle.
2. To turn the connected fixture OFF, press down and release the toggle.
Adjust dim level
1. To increase brightness, press up and hold the toggle.
2. To decrease brightness, press down and hold the toggle.

Cycle LED light
An LED shines behind the toggle to act as a guide light or status indicator.
How to cycle between options: Press up three times, then down one time quickly
1. LED is OFF all the time **(default)**
2. LED is ON all of the time (illuminates dimmer in the dark)
3. LED is ON when the load is OFF (guide light in the dark)
4. LED is ON when the load is ON (indicates the dimmer is ON

LED bulb adjustments
Not all LED bulbs are made the same, and performance varies between dimmer brands. This can cause adverse bulb behavior, such as flickering or strobing. To account for this scenario, this dimmer features adjustable dim and brightness thresholds to allow setting minimum and maximum levels.
**Minimum dim threshold**
1. Press OFF button four times, then ON button once quickly.
2. Light starts at the most recent dim level (default — 1%).
3. Press the ON or OFF button until the bulb reaches desired brightness without flickering.
4. The LED stops flashing 10 seconds after releasing the button to indicate the minimum threshold is set.
Note: This can be set by Z-Wave configuration parameter 30/size: 1 byte/values 1-99 (default — 1)
Maximum brightness threshold
1. Press ON button four times, then OFF button once quickly.
2. Light starts at the most recent brightness (default — 99%).
3. Press the ON or OFF button until the bulb reaches desired brightness without flickering.
4. The LED stops flashing 10 seconds after releasing the button to indicate the maximum threshold is set.
Note: This can be set by Z-Wave configuration parameter 31/size: 1byte/values 1-99 (default —99)

4.
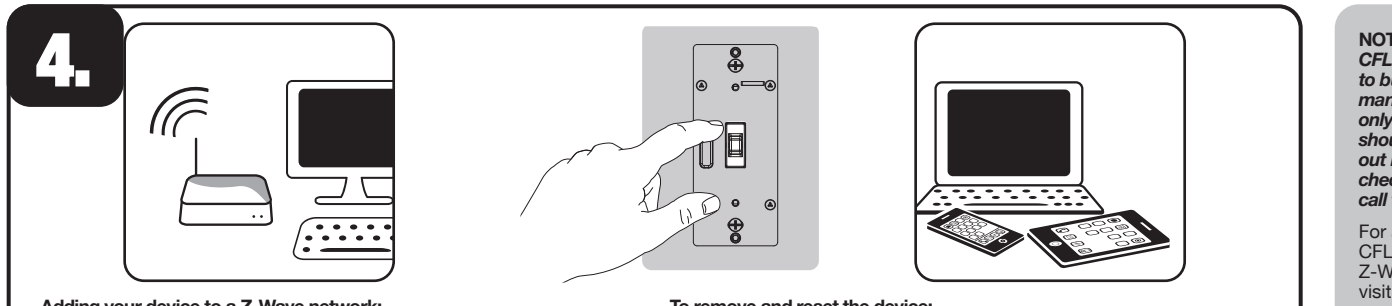
Adding your device to a Z-Wave network:
1. Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.
2. Once the controller is ready to add your device, press up and release the toggle.
Please reference the controller's manual for instructions.
You have complete control to turn your fixture ON/OFF or dim according to groups, scenes, schedules and interactive automations programmed by your controller.
If your Z-Wave certified controller features remote access, you can control your fixture from your mobile devices. If prompted by the controller to enter the S2 security code, refer to the QR code/security number on the side of the box or the QR code label on the product (see Figure 1). Enter the 5-digit pin code.

To remove and reset the device:
1. Follow the instructions for your Z-Wave certified controller to remove a device from the Z-Wave network.
2. Once the controller is ready to remove your device, press up and release the toggle.

To return your switch to factory defaults:
Quickly press ON (up) button three times, then immediately press the OFF (down) button three times.
NOTE: This should only be used if your network's primary controller is missing or otherwise inoperable.
NOTE: SmartStart enabled products can be added into a Z-Wave network by scanning the QR code on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

Figure 1.
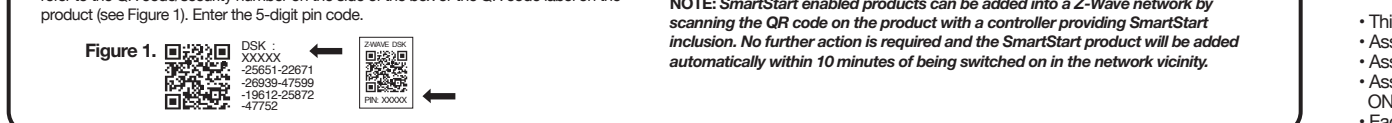
NOTE: Actual performance of any CFL or LED will vary from bulb type to bulb type and among different manufacturers. It is important to note only bulbs designed as dimmable should be used on a dimmer. To find out if your bulb is dimmable, please check the package, the bulb itself or call the bulb manufacturer directly.

For a complete list of recommended CFL/LED bulbs for this and other Z-Wave products from, please visit www.byjasco.com/z-wave

Add-on switch is required for multi-switch 3-way or 4-way installations.
Connecting the traveler terminal of this switch to a standard switch will cause damage or result in improper function. If this switch is a part of a multi-switch installation, do not connect the traveler wire or apply power until add-on switches are correctly installed. For more information on 3-way or 4-way installations, view the manual with the add-on switch.

Z-WAVE

Z-WAVE INTEROPERABILITY
This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

• This device supports Association Command Class (3 Groups)
• Association Group 1 supports Lifeline, Binary Switch Report
• Association Group 2 supports Basic Set and is controlled with the local load.
• Association Group 3 supports Basic Set and is controlled by double pressing the ON or OFF button
• Each Association Group supports 5 total nodes