

## Button functions

1. Adds module under the control of Remote Transmitter.
2. Local ON and OFF (push and release).
3. Local dimming (hold down).



## ZDP100 PLUG-IN LAMP MODULE

The ZDP100 plug-in Lamp Module is a component of the HomePro lighting control system. Plug the Lamp Module into a wall outlet and plug a lamp into the Lamp Module. Inclusion of the Lamp Module on the ZTH100, RF Remote Transmitter menu allows remote ON/OFF control and dimming of lamps connected.

This plug-in Lamp Module is designed to work with other HomePro lamp and appliance controls. Z-Wave nodes of other types can be added to the system and will also act as repeaters if they support this function of repeating the signal received to other modules in the system.

As part of a HomePro network, the ZDP100 can act as a wireless repeater to insure that commands intended for another device in the network are received. This is useful when the device would otherwise be out of the radio range of the remote controller.

## INSTALLATION

Plug this Lamp Module into the wall outlet near the lamp to be controlled, and plug the lamp into the Lamp Module. Follow instructions in **section 4.2.1** of the Remote Transmitter Operating instructions to add this module under the control of the Remote Transmitter. Make sure the lamp(s) to be controlled total no more than 300 watts. **WARNING:** Plugging a non-resistive load such as florescent lighting or a device with a motor may result in damage to the Lamp Module and will void the warranty.

### Lamp Module Button

The Lamp Module has a button on the face (see picture above) that switches an attached lamp ON and OFF, and adjusts its dimming level by holding it down, and it is also used to configure the module to operate from the remote transmitter. With the Remote Transmitter, the Lamp Module can be switched ON and OFF, and can be included in groups of lights (a group can also be a single module) that operate at the same time, and in scenes that set a lighting mood.

### Switch power ON and OFF

When the button is pressed and released quickly, the power will toggle. This means that power will be turned OFF if it was ON and turned ON if it was OFF. When switching the Lamp Module ON or OFF, the light will dim UP (or DOWN) in approximately 2 seconds until the final level is reached.

### Dimming

If the button is constantly pressed the light will be dimmed. The dimming function will also toggle. Constantly pressing the button the Lamp Module will dim either UP or DOWN until it reaches the maximum or minimum value. The second time the button is held down, the dimming will change direction. When the power level reaches either full power or minimum power the dimming will stop until the button has been released and is pressed again.

### **Child Protection**

The Lamp Module can be set in a child protect mode by the Remote Transmitter (see section 4.4 of Remote Transmitter instructions). When this mode is active, a user will have to press the button on the Lamp Module 3 times rapidly to activate the attached load. The module operates normally when controlled by the Remote Transmitter.

### **Other functions**

The button on the Lamp Module also plays a role when resetting and adding to groups and scenes. This is described in more detail in Section 4.2 and 4.2.2 of the Remote Transmitter instructions.

### **Software fuse**

This Lamp Module is designed to protect itself against loads that exceed its maximum power rating. The application of a load that exceeds that rating is quickly sensed by the dimmer and it responds by immediately shutting off all power to that load.

If the dimmer doesn't seem to work, or if it only works momentarily, check to see that the total lamp wattage doesn't exceed the 300W rating of the Lamp Module. If a properly sized load is restored to the dimmer, it can be operated normally once again.

### **Over-current protection**

The Lamp Module hardware has an over current detection circuit, which is final protection against overload.

If the software fuse should fail to shut down the dimmer when overloaded, backup protection is provided by an internal fuse. This fuse is not user serviceable. Check your home circuit breakers before concluding that the product must be returned to manufacturer for repair at a nominal charge.

### **Operation Note**

When a light bulb reaches the end of its life and burns out, it sometimes creates a momentary short circuit. The high current that results may cause the dimmer to properly respond by turning off. Should this happen, replace the bulb with a new one. The dimmer can now be operated to restore power to the light.

### **FCC NOTICE**

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## WARRANTY

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Advanced Control Technologies, Inc. gives this expressed warranty (along with extended warranty endorsements, where applicable) in lieu of all other warranties, express or implied, including (without limitation), warranties of merchantability and fitness for a particular purpose. This constitutes Advanced Control Technologies, Inc.'s sole warranty and obligation with regard to our products as well as the Customer's sole remedy.

Advanced Control Technologies, Inc. expressly disclaims all liability and responsibility for any special, indirect or consequential damages or any further loss of any kind whatsoever resulting from the use of our product. The Customer's sole and exclusive remedy and the limit of Advanced Control Technologies, Inc.'s liability for any loss whatsoever, shall not exceed the purchase price paid by the Customer for the product to which a claim is made.

Some states do not allow limitations of incidental or consequential damages or on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

All products manufactured by Advanced Control Technologies, Inc. are warranted to be free from defects in material and workmanship in accordance with and subject to the following terms and conditions:

1. This warranty is limited to the original Customer only. It cannot be transferred or assigned to third parties unless the intent to transfer to a third party is expressly indicated in a purchase order and/or warranty processing arrangements have been agreed upon in writing by Advanced Control Technologies, Inc.
2. Advanced Control Technologies, Inc. will correct any defects in material or workmanship which appear within one (1) year from the date of purchase. Advanced Control Technologies, Inc. will repair or replace, at our option, any defective products, provided that our inspection discloses that such defects developed under normal and proper use. This warranty does not extend to goods subjected to misuse, neglect, accident or improper installation, or to maintenance or repair of products which have been altered or repaired by anyone except Advanced Control Technologies, Inc. unless otherwise stated in writing.
3. An appropriate charge (50% of product list price) will be made for testing, repairs, replacement and shipping for returned product which is not defective or found to be defective as the result of improper use, maintenance or neglect.
4. Information in our descriptive literature is based on product specifications that are current at the time of publication. Product specifications, designs and descriptive literature are subject to change as improvements are introduced. Although we announce changes as they occur, we cannot guarantee notification to every Customer. Advanced Control Technologies, Inc. warrants delivered product to conform to the most current specifications, designs and descriptive literature.