ADT Pulse®

GARAGE DOOR OPENER REMOTE COMMAND CONTROLLER with TILT SENSOR

GD00Z-2

Z-WAVE

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Intertek
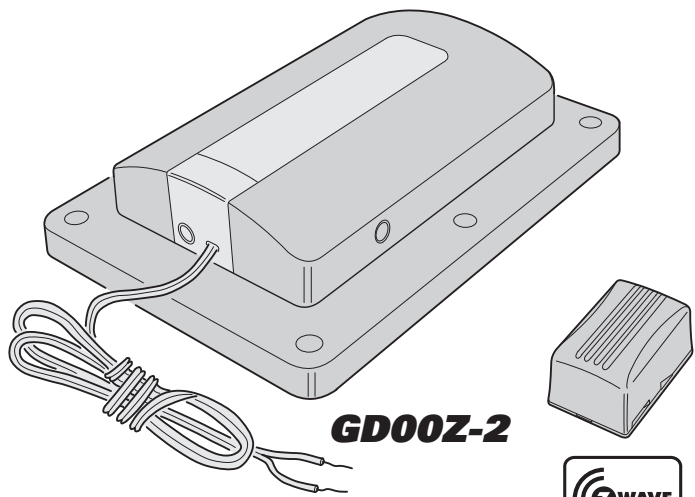
Installation Instructions

Linear®
Building On Innovation.

Regulatory Information

Regulatory Information

- Z-Wave® is a registered trademark of Sigma Designs Inc. and/or its subsidiaries.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
- Les changements ou modifications non approuvés expressément par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.
- This device complies with FCC Part 15 and Canada Rules and Regulations. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTICE TO USERS IN CALIFORNIA - CR COIN CELL LITHIUM BATTERY INFORMATION:
THIS PRODUCT CONTAINS A CR COIN CELL LITHIUM BATTERY WHICH CONTAINS
PERCHLORATE MATERIAL - SPECIAL HANDLING MAY APPLY - SEE
www.dtsc.ca.gov/hazardouswaste/perchlorate

KEEP AWAY FROM SMALL CHILDREN. IF BATTERY IS SWALLOWED, PROMPTLY SEE A DOCTOR. DO NOT TRY TO RECHARGE THIS BATTERY. DISPOSAL OF USED BATTERIES MUST BE MADE IN ACCORDANCE WITH THE WASTE RECOVERY AND RECYCLING REGULATIONS IN YOUR AREA.

⚠ **WARNING** ⚠

This operator system is equipped with an unattended operation feature. This door could move unexpectedly. NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR!

⚠ **WARNING** ⚠

This system can be installed on sectional type (roll up) doors only per (UL-325). DO NOT INSTALL ON ONE-PIECE DOORS!

⚠ **WARNING** ⚠

The Remote Command Controller must be mounted in the garage, in sight of the garage door, where the visual and audible movement warning indicators can be clearly seen and heard.

⚠ **WARNING** ⚠

Do not install the Remote Command Controller on garage door operators manufactured prior to 1993 (models without an operational safety beam entrapment detection system).

Table of Contents

Product Description

Overview

◆ Replication is the process of copying or transferring your Z-Wave network from one controller to another.

◆ This is a Security enabled Z-Wave product and must be used with a Security enabled Z-Wave controller in order to fully utilize this product. As such, this device will not respond to Basic CC commands.

◆ The GD00Z-2 is a garage door opener remote command transceiver with built-in Z-Wave® technology.

◆ Allows remote operation of a garage door opener using the ADT Pulse touch screen, web portal, or mobile app.

◆ Z-Wave is an Interoperable two-way RF mesh networking technology designed for use with a Z-Wave gateway/controller and other Z-Wave enabled devices.

◆ Acts as a Z-Wave repeater to improve communications within the Z-Wave mesh network.

◆ ASSOCIATION: The GD00Z-2 supports 1 Group with 1 Node. Group 1 must be assigned the Node ID of the controller to which unsolicited notifications from the Controller will be sent. The ADT Pulse should set this association automatically after inclusion.

Summary of Operation

◆ Controller connects to the garage door opener's pushbutton wall console terminals.

◆ A wireless tilt sensor mounts on the garage door and reports the door's position to the Controller.

◆ GD00Z-2 responds to Z-Wave commands from ADT Pulse to open or close the garage door.

◆ A warning indicator light flashes and a beeper sounds for 5 seconds before the door begins to move.

◆ If the door does not completely open or close, a second open or close command can be sent after 30 seconds.

◆ If the door does not completely open or close after the second attempt, the Controller operation is suspended until a local garage door pushbutton is activated.

THE GARAGE DOOR CONTROLLER SENDS THE DOOR STATUS TO THE ADT PULSE SYSTEM

THE TILT SENSOR SENDS DOOR OPEN OR CLOSED STATUS TO THE GARAGE DOOR CONTROLLER

ADT Pulse®

THE ADT PULSE SYSTEM DISPLAYS THE DOOR STATUS

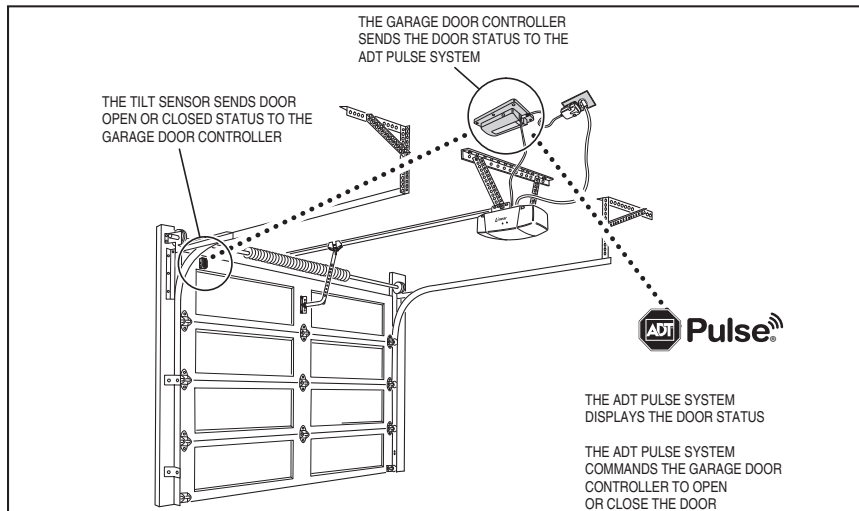THE ADT PULSE SYSTEM COMMANDS THE GARAGE DOOR CONTROLLER TO OPEN OR CLOSE THE DOOR

Figure 1. System Overview

The Garage Controller System

The GD00Z-2 System consists of three major components:

- **The Controller** — The Controller wires to the garage door opener's pushbutton terminals, receives door status from the tilt sensor, and communicates with the ADT Pulse system.

- **The Tilt Sensor** — The battery powered Tilt Sensor monitors the position of the garage door and sends the status to the Controller.

- **The Power Supply** — The Power Supply provides low voltage power to the Controller.
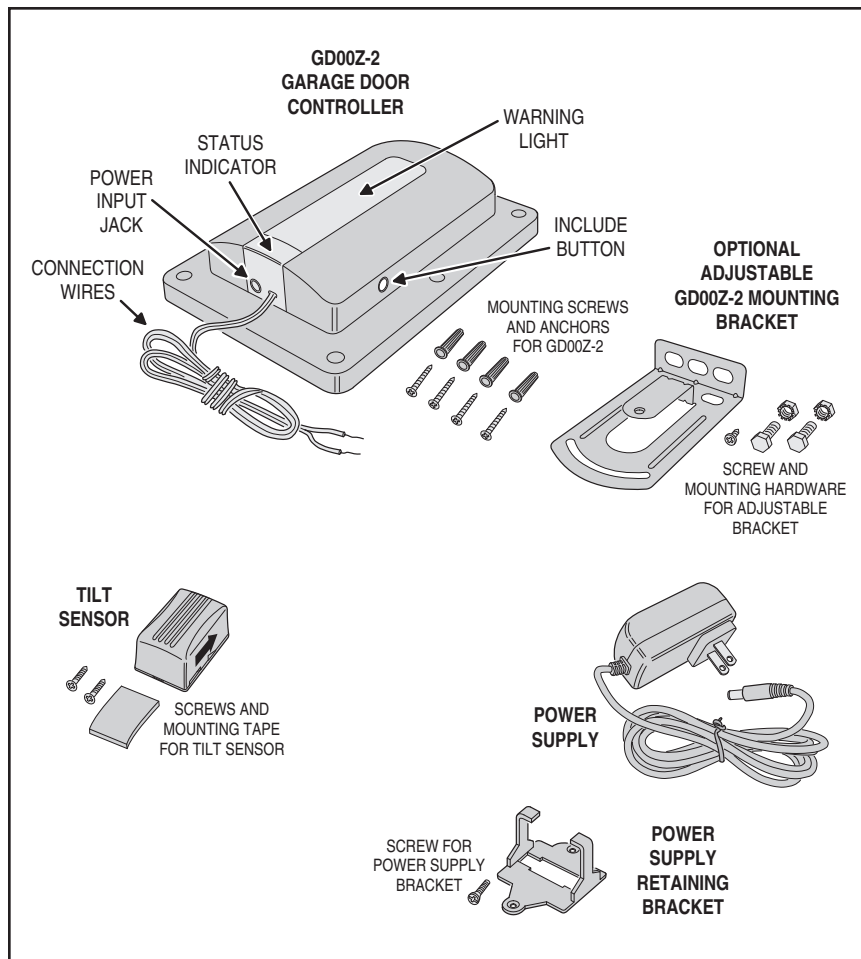

Figure 2. Package Contents

Tilt Sensor Installation

Mounting the Tilt Sensor

The battery powered Tilt Sensor attaches to the top panel of the garage door.

1. Before installation, activate the Tilt Sensor by pulling and removing the battery protection strip.

2. If using screws to mount the Tilt Sensor, open the sensor case with a small screwdriver.

3. Use the double-sided tape or screws supplied to attach the Tilt Sensor to the top panel of the garage door.

✓ **NOTE:** *Drill two 1/16" pilot holes if using the screws to attach the mounting plate.*

4. If the plate was removed for screw mounting, snap the Tilt Sensor on to the mounting plate.

✓ **NOTE:** *Be sure the arrow on the side of the Tilt Sensor points UP.*

① TO ACTIVATE THE TILT SENSOR, REMOVE THE BATTERY PROTECTION PULL STRIP

② TO OPEN THE CASE, FOR SCREW MOUNTING, TWIST A SMALL SCREWDRIVER IN THE CASE SLOT

SLOT

③ ATTACH MOUNTING PLATE TO **TOP PANEL** OF THE DOOR

ARROW ON PLATE POINTS UP

"UP" ARROW

POST ON BOTTOM

USE DOUBLE SIDED TAPE OR THE TWO MOUNTING SCREWS SUPPLIED (DRILL 1/16" PILOT HOLES IF REQUIRED)

④ SNAP THE TILT SENSOR ONTO THE MOUNTING PLATE

ARROW ON SENSOR POINTS UP

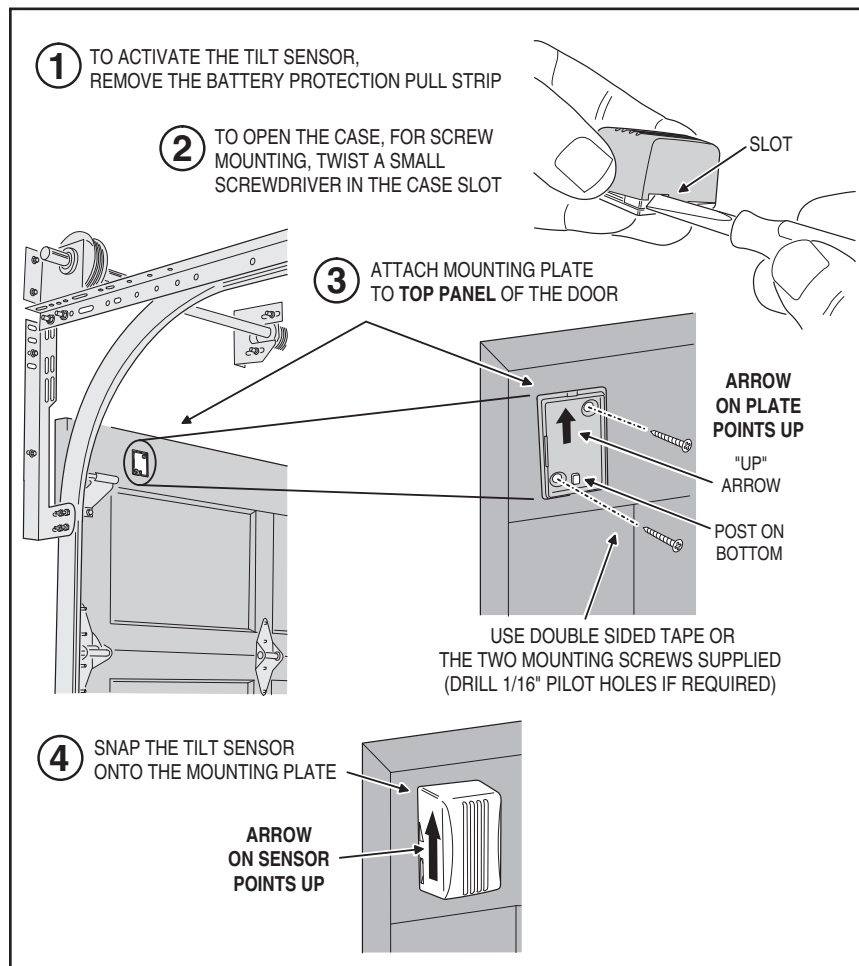*Figure 3. Tilt Sensor Installation*

Enrolling the Garage Door Controller

Before the system can be used, the ADT Pulse system needs to enroll the Garage Door Controller. Bring the Controller near your ADT Pulse Gateway and apply power to the Garage Door Controller.

✓ **NOTE**: *Before enrolling device to any Z-Wave network, or after removing it from any Z-Wave network, it is recommended that the Controller be factory reset. Reset the Controller by pressing the **Include** button 5 times.(Location of Include button is shown in Figure 2 on Page 3). A quick beep followed by a longer beep will indicate proper reset of the GD00Z-2.*
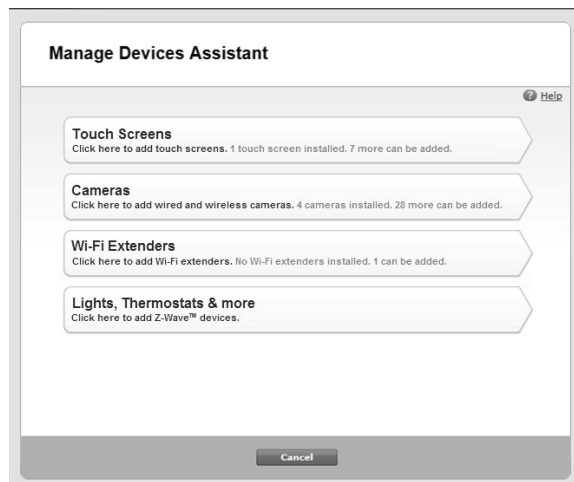
To add a Garage Door Controller:

1. Open your Web browser and in the address bar enter:

https://portal.adtpulse.com

2. Enter your **Username** and **Password**, then click the **Sign In** button.

3. Click the **System** tab, then click the **Manage Devices** button. The Manage Devices Assistant appears.

Enrolling with the System (Cont.)

4. In the Manage Devices Assistant window, click **Lights, Thermostats & More**.

5. From the drop-down list, select the Garage Door Remote Controller, and then click **Continue**.
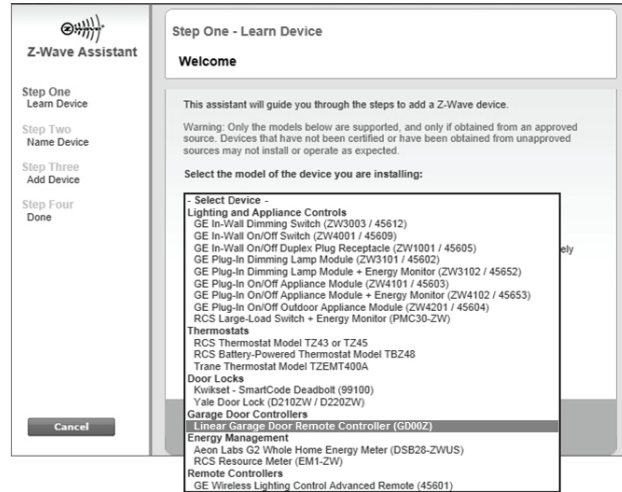
6. At the Trigger Device screen, press and hold the Garage Door Controller's include button for 1 second **(See page 3, Figure 2 for the location of the include button)**.
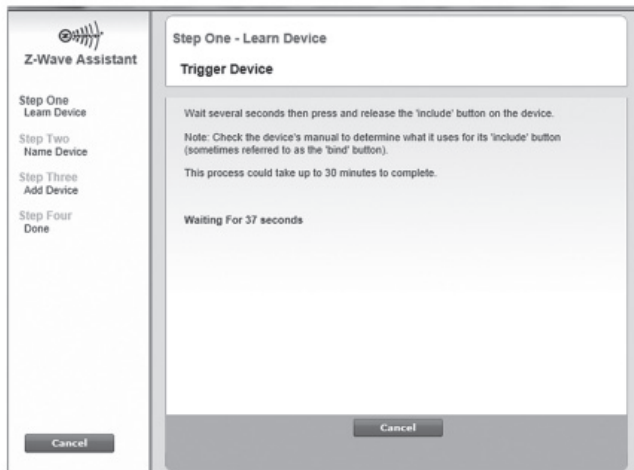
7. Wait while the system finds the GD00Z-2 Device. When the device is successfully recognized, the **Found Device** screen appears.

✓ **NOTE:** *Adding the Garage Door Controller can take one or two minutes.*

8. Enter a name for the device, and then click **Continue**.

A message informs you that the device was successfully added.

9. Click **Finish.**

Enrolling with the System (Cont.)

Resetting or Excluding the Garage Door Controller
If you have trouble adding the Garage Door Controller you can reset the device. Resetting the device removes it from a site (Not the same as factory resetting the device). You can then try to add the device again.

To reset a Garage Door Controller:
1. In the web portal, click the **System** tab.

2. Click **Manage Devices**.
   - ◆ The Manage Devices Assistant wizard appears.

3. Click **Lights, Thermostats & more.**
   - ◆ The Z-Wave Assistant wizard appears.

4. Click **Reset Device.**

5. **Press** and release the Garage Door Controller's include button once.
   - ◆ The Z-Wave device resets.

6. Click **Cancel.**

Deleting the Garage Door Controller
To delete the Garage Door Controller:

1. Click the **System** tab, if it is not already selected.

2. Click the name of the device you want to delete. The device page displays information about the selected device.

3. Click **Delete.** A pop-up window prompts you to confirm the deletion.

4. Click **Yes** to complete the deletion.

✓ *NOTE: If you attempt to delete a device that is referenced in an automation, alert, or schedule, or replace the device in all automations, alerts, and schedules in which it is referenced before you can delete the device. Click OK to exit without deleting the device.*

Mounting the Controller in the Garage

The Garage Door Controller mounts in the garage near the garage door opener. It will need to be near a power outlet and where its warning lamp can be seen, regardless of the door position. **Un-plug the garage door opener before continuing.**

The Garage Door Controller can be screw mounted directly, or by using the supplied adjustable mounting bracket.

1. Use the four anchors and screws to directly mount the Controller (use a 3/16" drill for the screw anchors, if the anchors are used).

- OR -

1. Snap the adjustable mounting bracket onto the Controller and secure it with the short screw.

2. Use the bolts and nuts supplied to attach the mounting bracket to available hardware.

TILT SENSOR MOUNTED ON THE TOP PANEL OF THE DOOR

THE GD00Z-2 TYPICALLY MOUNTS ON THE CEILING NEAR THE OPENER AND THE POWER OUTLET

! WARNING !

REMOVE POWER FROM THE GARAGE DOOR OPENER BEFORE CONTINUING

THE GD00Z-2 WARNING LAMP MUST BE VISIBLE IN ALL DOOR POSITIONS
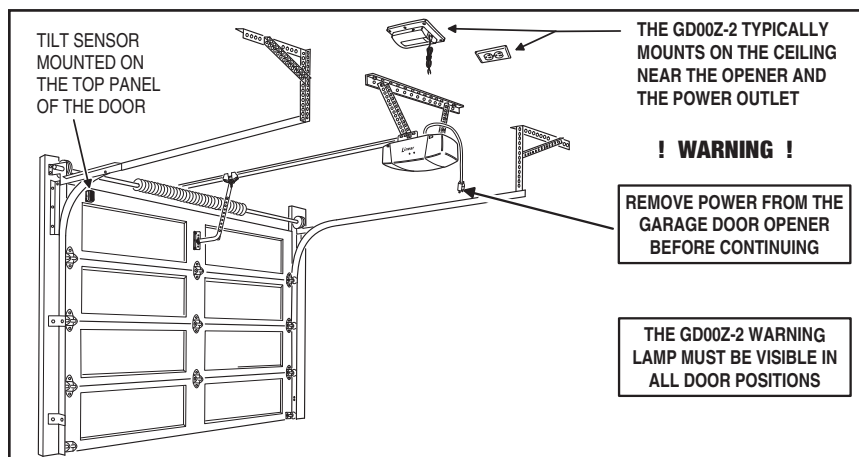
Figure 4. Controller Components

TYPICAL MOUNTING METHOD

1 USE THE FOUR SCREWS AND ANCHORS TO MOUNT THE GD00Z-2 ABOVE THE OPENER

3/16" HOLES FOR ANCHORS

ALTERNATE MOUNTING METHOD

THE GD00Z-2 CAN ALSO BE ATTACHED TO THE OPENER'S HARDWARE USING THE ADJUSTABLE MOUNTING BRACKET

SECURE BRACKET WITH SCREW

INDENT

1A THE OPTIONAL ADJUSTABLE MOUNTING BRACKET FITS 3 WAYS ON THE CONTROLLER

THE BRACKET SNAPS ONTO INDENTS ON EITHER SIDE OR ON THE END OF THE CONTROLLER

INDENT

INDENT

2A USE THE BOLTS AND NUTS SUPPLIED TO ATTACH THE BRACKET TO A SECURE STRUCTURE

BE SURE THE CONTROLLER IS CLEAR OF ALL MOVING PARTS OF THE GARAGE DOOR AND THE WARNING LAMP IS NOT OBSTRUCTED

Figure 5. Controller Mounting

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Controller Connections

Wiring the Controller to the Opener
The Garage Door Controller wires to the garage door opener with a two wire connection.

1. Connect the GD00Z-2 connection wires to the two pushbutton terminals on the garage door opener. The terminals on various models may have different names. Either wire can connect to either terminal.

✓ *IMPORTANT!* *Be sure the wires clear all moving parts of the door and opener.*

Connecting the Power Supply
2. Plug the Power Supply's cord into the jack on the Garage Door Controller.

3. Plug the Power Supply into a 115 VAC outlet. Be sure the outlet is powered at all times and not controlled by a switch.

✓ *IMPORTANT!* *Do not disconnect any wires currently connected to the Garage Door Opener.*

② PLUG THE POWER CORD
INTO THE POWER INPUT
JACK ON THE GD00Z-2

③ PLUG THE POWER SUPPLY
INTO 115 VAC OUTLET
AND SECURE IT WITH
THE RETAINING BRACKET

① CONNECT THE GD00Z-2 CONNECTION
WIRES TO THE PUSHBUTTON WALL
CONSOLE TERMINALS ON THE GARAGE
DOOR OPENER. THE TERMINALS MAY BE
NAMED "PWC", "WC", "PB", "PUSHBUTTON",
OR "RED AND WHITE". TERMINAL NAMES
AND LOCATIONS VARY BY MODEL.

DO NOT DISCONNECT
ANY WIRES CURRENTLY
CONNECTED TO THE
GARAGE DOOR OPENER !!!

EITHER WIRE
CAN CONNECT
TO EITHER
TERMINAL

BE SURE WIRES ARE
CLEAR OF ALL MOVING
PARTS OF THE GARAGE
DOOR AND OPENER

GARAGE
DOOR
OPENER

PUSHBUTTON   PUSHBUTTON

Figure 6. Controller Mounting

Opening and Closing the Garage Door

After the installation is complete, the garage door opener can be activated by the ADT Pulse system and the door's status can be viewed through the system.

1. Restore power to the garage door opener.

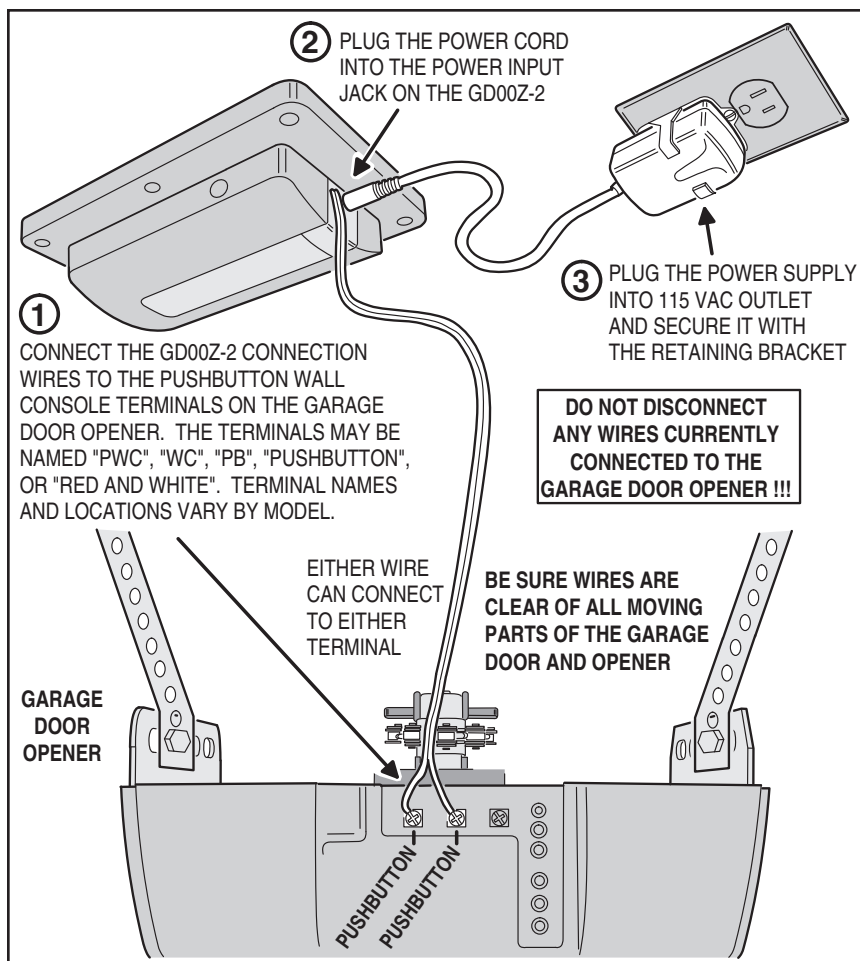2. Cycle the door open and closed using the wall pushbutton to synchronize the system.

3. Command the ADT Pulse system to activate the garage door.

4. Verify that the Garage Door Controller flashes for five seconds before the door moves.

5. The door should open or close.

6. Verify that the ADT Pulse system indicates the open or closed status of the garage door.

① RESTORE POWER TO YOUR GARAGE DOOR OPENER

② TO SYNCHRONIZE THE SYSTEM, USE THE GARAGE DOOR OPENER'S PUSHBUTTON TO MANUALLY OPEN AND CLOSE THE DOOR

③ USE THE ADT PULSE TOUCHSCREEN OR MOBILE APP TO CONTROL YOUR GARAGE DOOR, VIEW STATUS, AND ADD YOUR GARAGE DOOR CONTROL TO AUTOMATIONS AND MODES

(FOR EXAMPLE, YOU CAN SCHEDULE YOUR GARAGE DOOR TO CLOSE NIGHTLY AT SUNSET)

④ THE GD00Z-2 WILL BEEP AND FLASH FOR FIVE SECONDS BEFORE THE DOOR MOVES

⑤ THE GD00Z-2 WILL ACTIVATE THE DOOR OPENER AND OPEN OR CLOSE THE DOOR

⑥ THE TOUCHSCREEN OR MOBILE APP WILL SHOW THE NEW STATUS OF THE DOOR AFTER THE DOOR COMPLETES ITS CYCLE

STAY CLEAR OF THE DOOR !!!

BEEP
BEEP
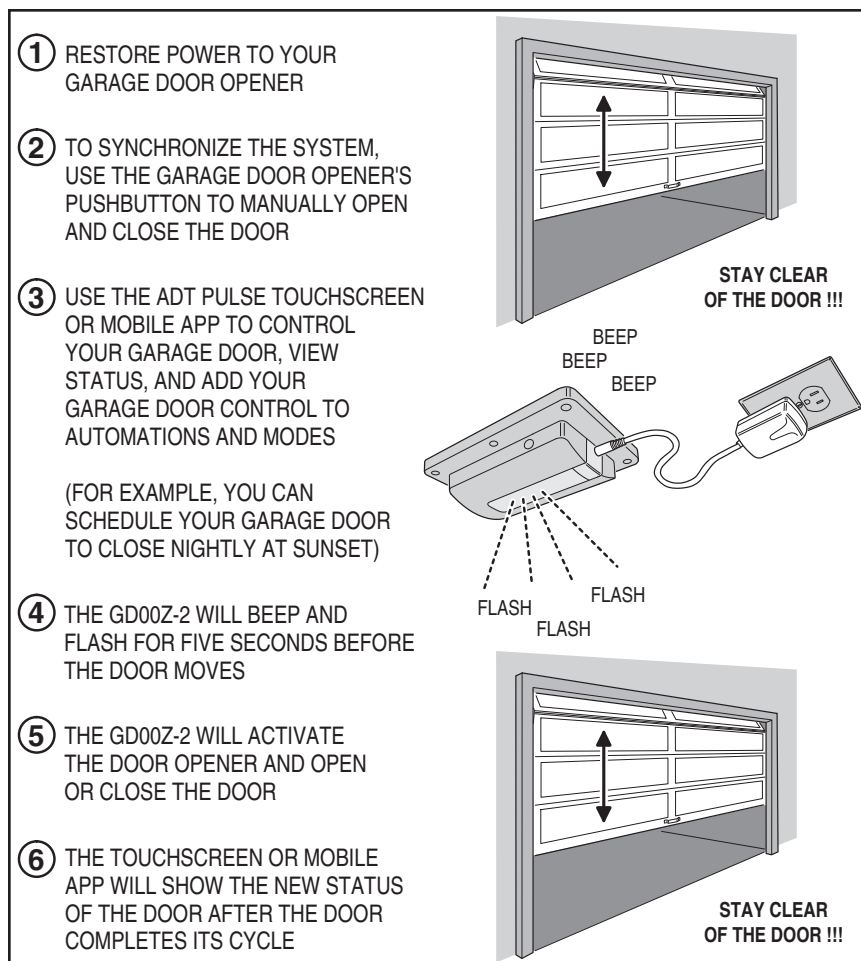BEEP

FLASH
FLASH
FLASH
FLASH

STAY CLEAR OF THE DOOR !!!

Figure 7. Controller Mounting

Operation Notes

Indications and Operation Notes

◆ The warning light will flash and the warning beeper will sound for five seconds before the door opener is activated. **STAY CLEAR OF THE DOOR, AND DOOR OPENER. THEY ARE ABOUT TO MOVE!**

◆ If the door does not completely open or close after remote activation, the Controller will allow user to try to operate the door one more time. If the second attempt fails, the Controller will go into lock-out mode. See next paragraph.

◆ If the GD00Z-2 is in lock-out mode and will not accept remote commands, activate the door from the pushbutton wall console.

◆ Once the Controller has initiated the movement of the garage door, another command cannot be sent for 30 seconds. This eliminates the chance of "bouncing" the garage door and possibly damaging the garage door opener.

Tilt Sensor Battery Replacement

When The Tilt Sensor Battery Gets Low

The system will notify you when the Tilt Sensor battery gets low and needs replacing.

1. Use a small screwdriver to open the Tilt Sensor case.

2. Remove the low battery and insert a fresh Type CR2032 coin cell battery. **BE SURE THE PLUS SIDE IS UP**.

✓ **IMPORTANT!** *Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area.*

3. Return the Tilt Sensor to the garage door top panel and snap it onto the mounting plate. **BE SURE THE ARROW ON THE SIDE OF THE TILT SENSOR IS POINTING UP.**
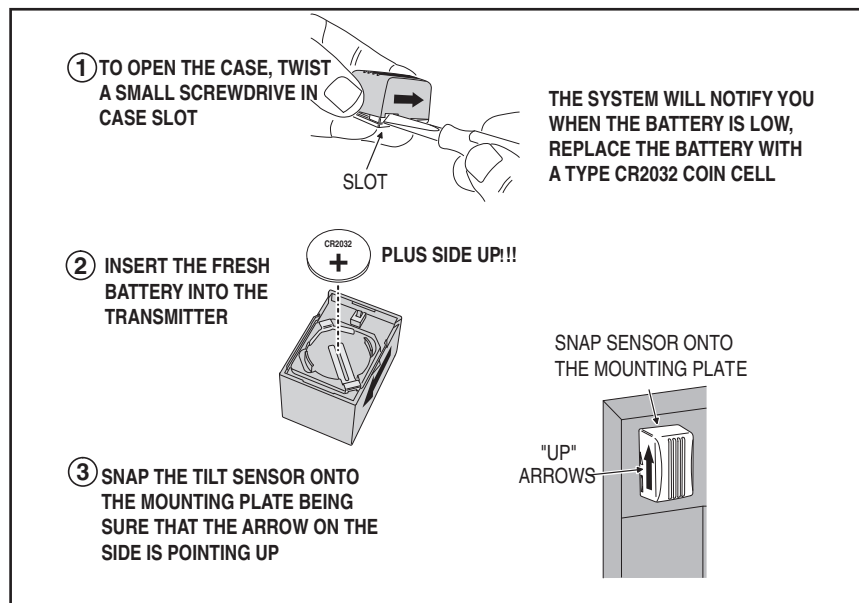

① **TO OPEN THE CASE, TWIST A SMALL SCREWDRIVE IN CASE SLOT**

SLOT

THE SYSTEM WILL NOTIFY YOU WHEN THE BATTERY IS LOW, REPLACE THE BATTERY WITH A TYPE CR2032 COIN CELL

② **INSERT THE FRESH BATTERY INTO THE TRANSMITTER**

CR2032 + **PLUS SIDE UP!!!**

SNAP SENSOR ONTO THE MOUNTING PLATE

③ **SNAP THE TILT SENSOR ONTO THE MOUNTING PLATE BEING SURE THAT THE ARROW ON THE SIDE IS POINTING UP**

"UP" ARROWS

Figure 8. Replacing the Tilt Sensor Battery

If Something is not Working

Refer to the following table for information regarding possible problems and solutions if the Garage Door Controller is not operating as expected.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
The Controller does not flash or beep when activated.	No power to the Controller	1. Make sure the power supply is plugged in securely to a live outlet. 2. Make sure the power cord is plugged in securely to the Controller
The Controller flashes and beeps when activated but the door does not move.	Obstruction blocking the door or incorrect wiring.	1. Make sure that there are no obstacles preventing the door from moving. 2. Make sure that the GD00Z-2 connection wires are connected to the proper terminals on the garage door opener. Trace the wires from the garage door opener's pushbutton wall console to the door opener. This is where the GD00Z-2 connection wires should be connected to.
Garage door opens or closes, but the status does not change on the touch screen or mobile app.	The Tilt Sensor signal is not being received by the Controller	1. Make sure the Tilt Sensor is mounted correctly on the garage door, with the arrow pointing up. 2. Make sure the battery pull tab has been removed from the Tilt Sensor. 3. Replace the battery in the Tilt Sensor.

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