**PRODUCT DESCRIPTION**

**GD00Z-4 Overview**
- A garage door opener remote command transceiver with built-in Z-Wave technology.
- Allows remote operation of a garage door opener using Z-Wave controllers.
- Acts as a Z-Wave repeater to improve communications within the Z-Wave mesh network.

**GD00Z-4 Summary of Operation**
- GD00Z-4 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 GD00Z-4.
- GD00Z-4 responds to Z-Wave commands from Z-Wave controllers 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 GD00Z-4 operation is suspended until a local garage door pushbutton is activated.

**Z-Wave Information**
- Z-Wave® is a registered trademark of Sigma Designs Inc. and its subsidiaries.
- 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.
- 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.

**WARNING**
- DO NOT INSTALL ON ONE-PIECE DOORS!
- Install the Remote Command Transceiver on garage door operators manufactured prior to 1993 (models without an operational safety beam entrapment detection system).

**SAFETY NOTES**

**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 Transceiver 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 Transceiver on garage door operators manufactured prior to 1993 (models without an operational safety beam entrapment detection system).

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**PRODUCT COMPONENTS**

**4 PRODUCT COMPONENTS**

**3 PRODUCT DESCRIPTION**

**GARAGE DOOR OPENER REMOTE COMMAND TRANSCEIVER with TILT SENSOR**

**Installation Instructions**

**GARAGE DOOR OPENER**

**REMOTE COMMAND TRANSCEIVER with TILT SENSOR**

**POWER INPUT JACK**

**POWER SUPPLY**

**STATUS INDICATOR**

**WIRE TIES**

**SCREW AND MOUNTING HARDWARE FOR ADJUSTABLE BRACKET**

**MOUNTING SCREWS AND ANCHORS FOR GD00Z 4**

**POWER SUPPLY RETAINING BRACKET**

**OPTIONAL ADJUSTABLE GD00Z-4 MOUNTING BRACKET**

**POWER CONNECTION**

**POWER SUPPLY FOR GD00Z-4**

**TILT SENSOR**

**POWER SUPPLY FOR TILT SENSOR**

**SCREWS AND MOUNTING TAPE FOR TILT SENSOR**

**TILT SENSOR INSTALLATION AND BATTERY**

**1 TILT SENSOR INSTALLATION AND BATTERY**

**WARNING LIGHT**

**LINK BUTTON**

**WALL OUTLET**

**POWER ON BOTTOM**

**ARROWS ON PLATE & SENSOR POINT UP**

**NOTE**

To activate the tilt sensor, remove the battery protection pull strip WARNING LIGHT from the two mounting screws supplied (drill 1/16” pilot holes if required).

To open the case, twist a small screwdriver in case slot.

To replace the battery with a type CR2032 coin cell.

**LOW BATTERY REPLACEMENT**

**PLUS SIDE UP**

**TO INCLUDE THE GD00Z-4 INTO YOUR CONTROLLER**

**1 Place your Z-Wave Controller into Discovery or Include mode.**

**2 Press and release the link button on the GD00Z-4.**

**3 Confirm that the GD00Z-4 was recognized by your Z-Wave Controller.**

**REFERENCE**

Refer to your Z-Wave Controllers instructions for additional information on including devices.

**TO EXCLUDE THE GD00Z-4 FROM YOUR CONTROLLER**

**1 Place your Z-Wave Controller into Exclude mode.**

**2 Press and release the link button on the GD00Z-4.**

**3 Confirm that the GD00Z-4 was excluded by your Z-Wave Controller.**

**REFERENCE**

Refer to your Z-Wave Controllers instructions for additional information on excluding devices.
GD00Z-4 MOUNTING

The GD00Z-4 typically mounts on the ceiling near the opener and the power outlet.

1. Use the four screws and anchors to mount the GD00Z-4 above the opener.
2. Use the bolts and nuts supplied to attach the fixture.

GD00Z-4 CONNECTIONS

1. Connect the GD00Z-4 connection wires to the pushbutton wall console terminals on the garage door opener. The terminals may be named "PWR", "WC", "PS", "PUSHBUTTON", or "RED and WHITE". Terminal names and locations vary by model.
2. Plug the power cord into the power outlet jack on the GD00Z-4.
3. Remove the screw from 120 VAC lamp. LAMP MUST BE VISIBLE IN GARAGE DOOR OPENER!!!
4. Secure the retaining bracket to the faceplate with the provided screw. Secure the power supply into the bracket while plugging into the outlet.
5. Use wire ties to secure excess wiring clear of all moving parts of the garage door and opener.

SYSTEM OPERATION

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 your Z-Wave Controller to activate your garage door opener.
4. The GD00Z-4 will beep and flash for five seconds before the door moves.
5. The GD00Z-4 will activate the door opener and open or close the door.

OPERATION NOTES

1. 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!
2. If the door does not completely open or close after remote activation, the GD00Z-4 will allow user to try to operate the door one more time. If the second attempt fails, the GD00Z-4 will go into lock-out mode. See Note #3.
3. If the GD00Z-4 is in lock-out mode and will not accept remote commands, activate the door from the pushbutton wall console.
4. Once the GD00Z-4 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.

TROUBLESHOOTING

1. UNABLE TO INCLUDE IN Z-WAVE NETWORK.
   a. The GD00Z-4 was not properly excluded from a previous Z-Wave network.
   b. The GD00Z-4 does not flash or beep when activated.
   c. The GD00Z-4 flashes and beeps when activated but the door does not move.
   d. The GD00Z-4 does not light up when correctly connected to the garage door opener.

2. NO POWER TO THE GD00Z-4.
   a. Make sure the power supply is plugged in securely to a live outlet.
   b. Make sure the power cord is plugged in securely to the GD00Z-4.

3. OBSURATION BLOCKING THE DOOR OR INcorrect WIRING.
   a. Make sure that there are no obstacles preventing the door from moving.
   b. Make sure that the GD00Z-4 connection wires are connected to the proper terminals on the garage door opener.
   c. Trace the wires from the garage door opener’s pushbutton wall console to the garage door opener.
   d. This is where the GD00Z-4 connection wires should be connected.

4. Tilt Sensor Specifications
   - Power Supply: Input: 120 VAC, 1.8 A
   - Output: 12 VDC, 2 A
   - Audible Alarm: 45 db @ 10 feet
   - Strobe: 360 Lumens
   - Communications: 2-Waves (906 MHz)
   - Mounting: Screws and anchors to the ceiling, or bracket to the opener’s hanging hardware

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   a. Make sure the power supply is plugged in securely to a live outlet.
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3. OBSURATION BLOCKING THE DOOR OR INCORRECT WIRING.
   a. Make sure that there are no obstacles preventing the door from moving.
   b. Make sure that the GD00Z-4 connection wires are connected to the proper terminals on the garage door opener.
   c. Trace the wires from the garage door opener’s pushbutton wall console to the garage door opener.
   d. This is where the GD00Z-4 connection wires should be connected.

REGULATORY NOTICES

Changes or modifications not expressly approved by the manufacturer could void your user’s authority to operate the equipment.

1. This equipment has been tested and found to comply with the limits for 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 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 the following measures:
   - Reorient or relocate the receiving antenna.
   - Increase the separation between the equipment and receiver.

2. This Class B digital apparatus complies with Canadian ICES-003.

3. Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.