CS-402 Wireless Tilt Sensor
Installation Instructions & User Guide

Specifications

Frequency: 345MHz
Battery: One 3Vdc lithium CR123A (1550 mAh)
Battery life: up to 5 years
Tilt Sensor
Normally closed contact input terminals
Operating Temperature: 32°-120°F (0°-49°C)
Operating Humidity: 5-95% RH non condensing
Compatible with ClearSky receivers
Supervisory signal interval: 62 min (approx.)

Enrolling

To enroll the sensor, set ClearSky receiver into program mode, refer to your receiver manual for details on these menus. There are two triggers on this device and each uses a unique loop number. The tilt sensor is assigned to loop 2 and the external input is assigned to loop 1.

To auto enroll the tilt sensor, you must ensure the tilt is orientated in the up position (refer to picture and note location of arrow on the plastics). When prompted by the panel, move the device until its orientated in the horizontal position.

To auto enroll the external contact input, trigger the sensor by closing the circuit between the two terminal inputs when prompted by the panel. This can be done with a piece of wire, or if using a hardwired contact, by applying the magnet to that contact.

This serial number is printed on the device if manual enrollment is desired.

The tilt sensor can operate as an “exit / entry” zone or a “perimeter zone”. Set the zone type for the wireless tilt sensor in your panel.

Disclaimer: The external contact terminals, while fully functional, have not been submitted to UL / ETL laboratories for verification of compliance with applicable standards. Operation of the external contacts is outside of the scope of the ETL listing for this product.

Tilt Sensitivity

The tilt sensor will activate when the device is approximately at a 45 degree angle. By moving the actual ball sensor up or down you can adjust this angle by a few degrees.
Note that this device has a delay of approximately 1 second to eliminate false alarms cause by wind and vibration commonly subjected to a large garage door.

Mounting

Included with this device are mounting screws and double sided tape. For reliable bonding with the tape ensure the surface is clean and dry. Apply the tape to the sensor and then to the desired location. Apply firm pressure for several seconds. It is not recommended to mount the tape at temperatures below 50°F, although after 24 hours the bond will hold at low temperatures.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. This device complies with part 15 of the FCC Rules. 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. 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 instruction manual, 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:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a different circuit from the receiver
- Consult the dealer or an experienced radio/TV contractor for help.

Warning: Changes or modifications not expressly approved by Ecolink Intelligent Technology Inc. could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

C'et appareil est conforme la norme d'Industrie Canada exempts de licence RSS. Son fonctionnement est soumis aux deux conditions suivantes:
(1) c'et appareil ne peut pas provoquer d'interférences, et
(2) c'et appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de la dispositif.

FCC ID: XQC-CS402 IC: 9863B-CS402

Warranty

Ecolink Intelligent Technology Inc . warrants that for a period of 2 years from the date of purchase that this product is free from defects in material and workmanship. This warranty does not apply to damage caused by shipping or handling, or damage caused by accident, abuse, misuse, misapplication, ordinary wear, improper maintenance, failure to follow instructions or as a result of any unauthorized modifications.
If there is a defect in materials and workmanship under normal use within the warranty period Ecolink Intelligent Technology Inc. shall, at its option, repair or replace the defective equipment upon return of the equipment to the original point of purchase.
The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Ecolink Intelligent Technology Inc. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.
The maximum liability for Ecolink Intelligent Technology Inc. under all circumstances for any warranty issue shall be limited to a replacement of the defective product . It is recommended that the customer check their equipment on a regular basis for proper operation.

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