



August 22, 2003

Federal Communication Commission  
Equipment Approval Services, P.O. Box 358315  
Pittsburgh, PA 15251-5315  
Attention: Authorization & Evaluation Division

RE: Application for Vehicle Level Certification of Johnson Controls Transmitter under 47 CFR 15.231.  
FCC ID: ACTLHL3

To whom it may concern,

Submitted here are materials for your consideration in determining the grant of certification for a Class II permissive change to the Johnson Controls Interior, LLC, Universal Garage Door Opener product. The FCC ID for this product is CB2ACTLHL3. The change being requested is a "vehicle level" Class II certification, negotiated by the Prince Corporation (later acquired by Johnson Controls Interiors) of Holland, MI. Correspondence between Prince Corporations and the FCC in regard to this testing methodology. A copy of the correspondence regarding this method and a summary of the procedure are available in the attachment "vehicle\_level.pdf".

This submission is a request for a Class II change. The change made to this device is a change in the software controlled power settings. The change to these non-volatile memory values were approved for use in the Acura TL automobile in a previous submission (Form 731 confirmation #EA504983). The purpose of this report is to notify the commission that Johnson Controls intends to mount the same module in a different vehicle, the Acura MDX automobile. The only change to this report was to section "7.4.1.7 390 MHz Vehicle Level". The measurements in this section were taken with the CB2ACTLHL3 mounted in the Acura MDX automobile at 10m on the JCI OATS.

As stated in the original grant (Form 731 confirmation #0200587F), the JCI Model CB2ACTLHL3 is part of the Homelink ® III series. Homelink ® III devices are capable of learning garage door opener frequencies and codes from the user's original transmitter. The device is capable of learning in the range between 288MHz and 420MHz excluding forbidden frequency regions.

Johnson Controls Interiors has invested considerable resources into developing our Homelink ® products. For this reason we respectfully request that the following items be held as confidential.

- Circuit Block Diagrams
- Theory of Operation
- Schematics

The Federal Communications Commission will be notified, in writing of any changes in the software/programming of this device that could affect its RF characteristics.

A table of contents for all submitted materials can be found at the end of this letter.

Please do not hesitate to contact me with any questions you may have regarding this report. As always we look forward to your timely response.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeremy P. Bos". The signature is fluid and cursive, with a prominent initial "J" and a long, sweeping underline.

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Please refer to attachment named "front\_view.jpg"

**8.2. Rear View**  
Please refer to attachment named "rear\_view.jpg"

**8.3. Unit Disassembled**  
Please refer to attachment named "d\_assym.jpg"

**8.4. Light Board**  
Please refer to attachment named "light\_front.jpg"  
Please refer to attachment named "light\_back.jpg"

**8.5. Homelink Accessory Board**  
Please refer to attachment named "hl3\_front.jpg"  
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**9.1. User Manual**  
Please refer to attachment "user\_manual.pdf"

**9.2. Schematics/ Tuning Information**  
For schematics please refer to attachment "schematics.pdf"  
For tuning information please refer to attachment "tuning.pdf"

**9.3. Theory of Operation**  
For schematics please refer to attachment "theory\_op.pdf"