



THE UNIVERSITY OF MICHIGAN

COLLEGE OF ENGINEERING

THE RADIATION LABORATORY  
DEPARTMENT OF ELECTRICAL ENGINEERING  
AND COMPUTER SCIENCE

3228 EECS BUILDING  
ANN ARBOR, MICHIGAN 48109-2122 USA  
313 764-0500 FAX 313 747-2106

March 1, 2000

Federal Communications Commission  
Equipment Approval Services  
P.O. Box 358513  
Pittsburgh, PA 15251-5315

Re: Certification of JCI Transmitter  
Model: RSCMTC  
FCC ID: CB2RSCMTCHL3  
CANADA: to be provided

Please find enclosed application materials for certification of Johnson Controls, Inc. (JCI) Universal Garage Door Opener (UDGO). As you will see, this is not a run-of-the-mill transmitter, but one that learns from others and repeats the frequency and the code. This product is a next generation product, similar to the one already certified (FCC ID: CB2VA3823); the functionality, including frequency of operation, power output, etc., of the device is similar, but circuitry has been redesigned to improve the product. We tested the device and found it to comply with the Part 15.

*Pursuant to 47 CFR 0.459, JCI requests that part of the subject application be held confidential. This includes Exhibits*

- (5) \*Schematics
- (10) \*Parts List/Tune-up Information

*JCI has spent years in developing this product and now expects it to be one of the major product lines. Having the subject information easily available to "competition" would negate the advantage they have achieved by developing this product. Since the UDGO is a major product line for the company, not protecting the details of the design will definitely result in a financial hardship.*

If there are any questions regarding the application or testing performed, please contact me at the above address or call 647-647-1792, (lab) 734-483-4211, fax 647-647-2106, or e-mail liepa@umich.edu.

Sincerely,

Valdis V. Liepa  
Research Scientist

Enclosures:  
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March 1, 2000

Certification and Engineering Bureau  
Industry Canada  
3701 Carling Avenue, Bldg. 94  
Ottawa, Ontario K2H 8S2

Re: Certification of JCI Transmitter  
Model: RSCMTC  
FCC ID: CB2RSCMTCHL3  
CANADA: to be provided

Please find enclosed application materials for certification of Johnson Controls, Inc. (JCI) Universal Garage Door Opener (UDGO). As you will see, this is not a run-of-the-mill transmitter, but one that learns from others and repeats the frequency and the code. This product is a next generation product similar to one already certified (CAN: 1763 102 501); the functionality, including frequency of operation, power output, etc., are similar, but circuitry has been redesigned to improve the product. We tested the device and found it to comply with RSS-210. The new product is identified as:

**Model: RSCMTC**

Payment authorization attached to cover: (a) transmitter assessment, \$425.00 (CAN); and (b) transmitter certification, \$45.00 (CAN).

**NOTE:** We have changed the format and order of our Exhibits to follow the FCC requirements for their electronic submission. A Table of Contents is provided with the application materials to identify the Exhibits that are contained on the enclosed CD ROM.

If there are any questions, suggestions, etc., regarding the application or testing performed, please contact me at the above address or call 647-647-1792, (lab) 734-483-4211, fax 647-647-2106; e-mail: liepa@umich.edu.

Sincerely,

Valdis V. Liepa  
Research Scientist

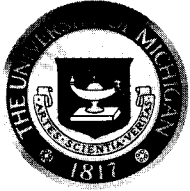
Enclosures:

Application Form  
Payment Authorization  
(This) Letter of Transmittal  
Summary of Test Results  
Table of Contents for Exhibits  
Exhibits (on CD ROM)

**EXHIBIT** 13

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ANN ARBOR, MICHIGAN 48109-2122 USA  
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March 1, 2000

Re: Certification of JCI Transmitter  
Model: RSCMTC  
FCC ID: CB2RSCMTCHL3  
CANADA: to be provided

TABLE OF CONTENTS FOR EXHIBITS

	Total Pages
(1) ID Label/Location Information	2
(2) Attestation Statements	10
(3) External Photos	2
(4) Block Diagrams	1
(5) *Schematics	2
(6) Test Report	19
(7) Test Setup Photos	1
(8) User's Manual	1
(9) Internal Photos	3
(10) *Parts List/Parts Placement	1
(11) RF Exposure Information	1
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(13) Cover Letter(s)	3

\* Filed Confidential

EXHIBIT 13

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