



NVLAP ACCREDITED NARTE Certified Engineer Professional Engineer

ELITE Electronic Engineering TCB Services 1516 Centre Circle Downers Grove, IL 60515-1082 June 12, 2002

Re: Application for Certification of Johnson Controls Transmitter under 47CFR 15.231.

FCC ID: CB2HONUAHL3

Gentlemen:

On behalf of the applicant, Johnson Controls Interiors, LLC, please find attached the submittal materials for certification of the JCI Universal Garage Door Opener, Model CB2HONUAHL3 This model, a part of their Homelink® III series, is capable of learning the current garage door transmit frequencies from 288MHz through 420MHz except in the forbidden frequency regions.

The complete List of the Exhibits in this submittal package appears on Page 2 of this cover letter.

Johnson Controls Interiors has invested considerable resources into developing this Homelink® series. Having the listed exhibits available to 'competition' would negate the advantage achieved in developing this product. Since their Homelink® series transmitters will be a major product line for Johnson Controls Interiors, not protecting the details of the design will result in a financial hardship for the company.

Pursuant to 47CRF 0.459, Johnson Controls Interiors requests that these listed exhibits be held confidential.

Circuit Block Diagrams page 2 of Exhibit B
Theory/Description of Operation, page 3 of Exhibit B
Schematics page 5 of Exhibit B

Your prompt consideration of this application for product certification will be greatly appreciated. Should you have any questions regarding the content of this report, kindly contact me.

Sincerely,

Ted Chaffee,

Technical Lab Manager

Narte Certified Engineer, #EMC-002025-NE

tel/fax: 616. 424.7014

email: tchaffee@ahde.com, or ahd@locallink.net

Ked Cheffer

Table of Contents

Cover Letter / Table of Contents			Total Pages 2
EXHIBIT A:	ID Label / Location [2.925,2.926,2.1033(b2,7),	15.19(a3)]	Total Pages 2
EXHIBIT B:	Description of Product [2.1033(b6)] Circuit Block Diagram [2.1033(b5)] Description of Operation [2.1033(b4)] Schematics [2.1033(b5)] Transmitter PCB schematic SwitchBoard PCB schematic	EXB_Schem_HL3PCB.doc EXB_Schem_SwPCB.doc	Total Pages 1
EXHIBIT C:	Product photos Exterior views [2.1033(b7)] Two photos EXC_EUTbtm.jpg, EXC_EUTtop.jpg Interior & Printed Circuit Boards [2.1033(b7)] Six photos EXC_EUTin1.jpg, EXC_EUTin2.jpg, EXC_HL3PCBtop.jpg, EXC_HL3PCBbtm.jpg, , EXC_SwPCBtop.jpg, EXC_SwPCBbtm.jpg, ,		Total Pages 9
EXHIBIT D:	User's Manual EXD_OEMUserMan	nual.doc	Total Pages 4
EXHIBIT E:	Setup photos [2.1033(b8)] EXE_pretest.jpg, EXE_side.jpg, Report of Measurements [2.1033(b6)] Table of Contents Manufacturer/Applicant [2.1033(b1)] Measurement/Test Facility & Equipment Configuration/Setup [2.1033(b8)] Test Standards / Methods Used [2.1033(b6)] Test Methodology [2.1033(b6)] Test Data [2.1033(b6)] Summary of Results Level vs Supply Voltage [15.31(e)] Occupied Bandwidth Radiated Field Strength [15.231(b)]	Page 2 Page 4 Page 4 Page 5 Page 7 Page 7 Page 6 Page 13 Page 14	Total Pages 5 Total Pages 27
Misc. EXHIB	Parts List/Tune-up Information [2.1033(b5] RF Exposure Information [2.1093(c)]		Total Pages 1 Total Pages 1