

1.0 Reference and Address			
Report Number	103939158BOX-001	Original Issued: 15-Jul-2019	Revised: None
Standard(s)	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [CSA C22.2#62368-1:2014 Ed.2]		
Applicant	Crestron Electronics Inc	Manufacturer 1	Crestron Electronics Inc
Address	15 Volvo Dr Rockleigh, NJ 7647-2507	Address	88 Ramland Road Orangeburg NY 10962
Country	USA	Country	USA
Contact	Mr.Mathews Thomas	Contact	Mr. Farah Moulvi
Phone	800-237-2041	Phone	201-241-1631
FAX	NA	FAX	NA
Email	mthomas@crestron.com	Email	fmoulvi@crestron.com
Manufacturer 2	JABIL CIRCUIT DE MEXICO S DE R L DE C V	Manufacturer 3	EPI de Mexico S de RL de CV
Address	Technology Park # 420 Carretera Nogales Km 13.5 Av. Guadalupe # 225 45010 Zapopan Jalisco	Address	Boulevard Independencia #1451 Int. 2 Parque Industrial Intermex Oriente CP 32599 Juarez
Country	Mexico	Country	Mexico
Contact	Mr. Gabriel Illescas	Contact	Mr. Marcos Reyes
Phone	+521-33-1320-4374	Phone	1-915-791-5334
FAX	NA	FAX	NA
Email	GABRIEL.ILLESCAS@jabil.com	Email	marcos.reyes@neotech.com

2.0 Product Description	
Product	Occupancy Sensor
Brand name	NA
Description	The product covered in this report is a ceiling-mount dual-tech (PIR and Ultrasonic) occupancy sensor. Power and data connection is provided by IEEE 802.3af PoE. The data connection is 10/100 Ethernet. The power is provided via PoE and is less than 4 watts.
Models	M201903001 SKU: CEN-ODT-C-POE
Model Similarity	Model = M201903001 SKU: CEN-ODT-C-POE
Ratings	44-57VDC, 4W
Other Ratings	NA

3.0 Product Photographs

Photo 1 - External Front View of Occupancy Sensor

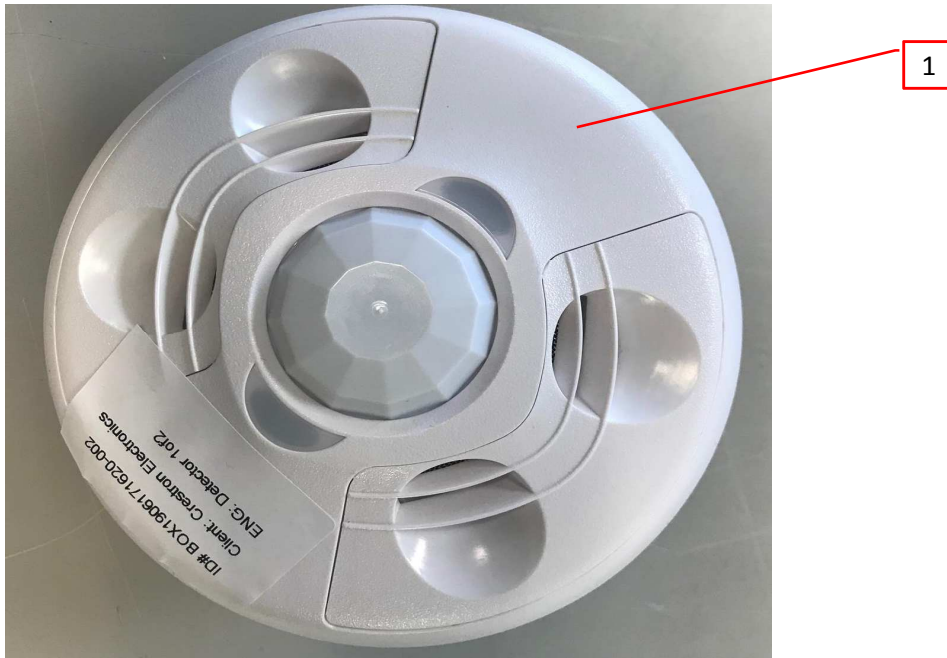
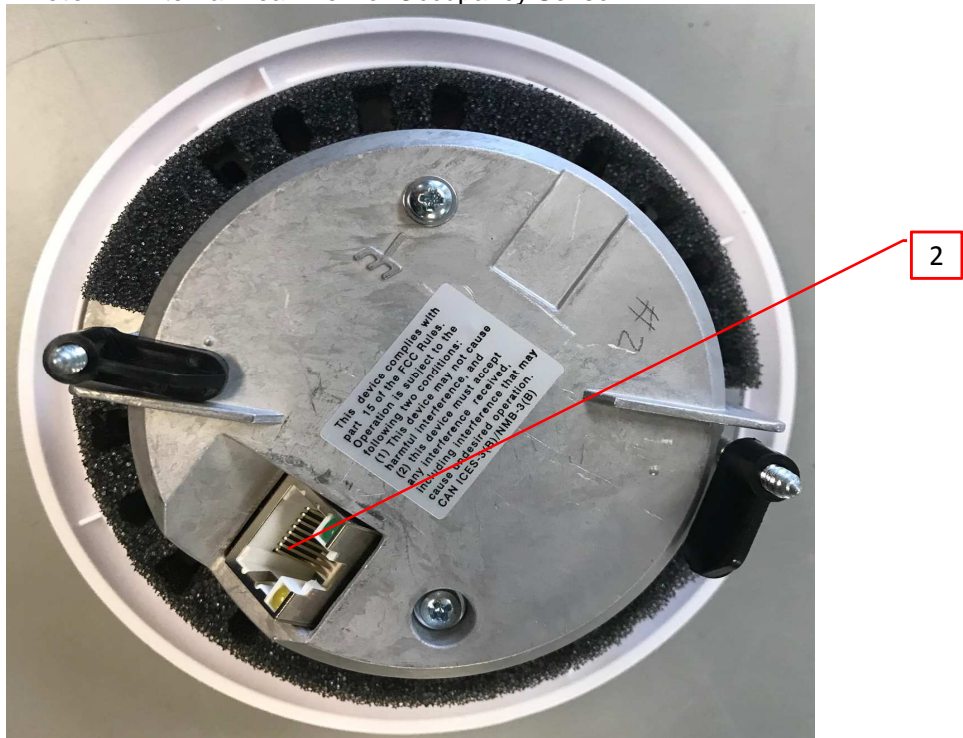


Photo 2 - External Rear View of Occupancy Sensor



3.0 Product Photographs

Photo 3 - Internal View of Occupancy Sensor

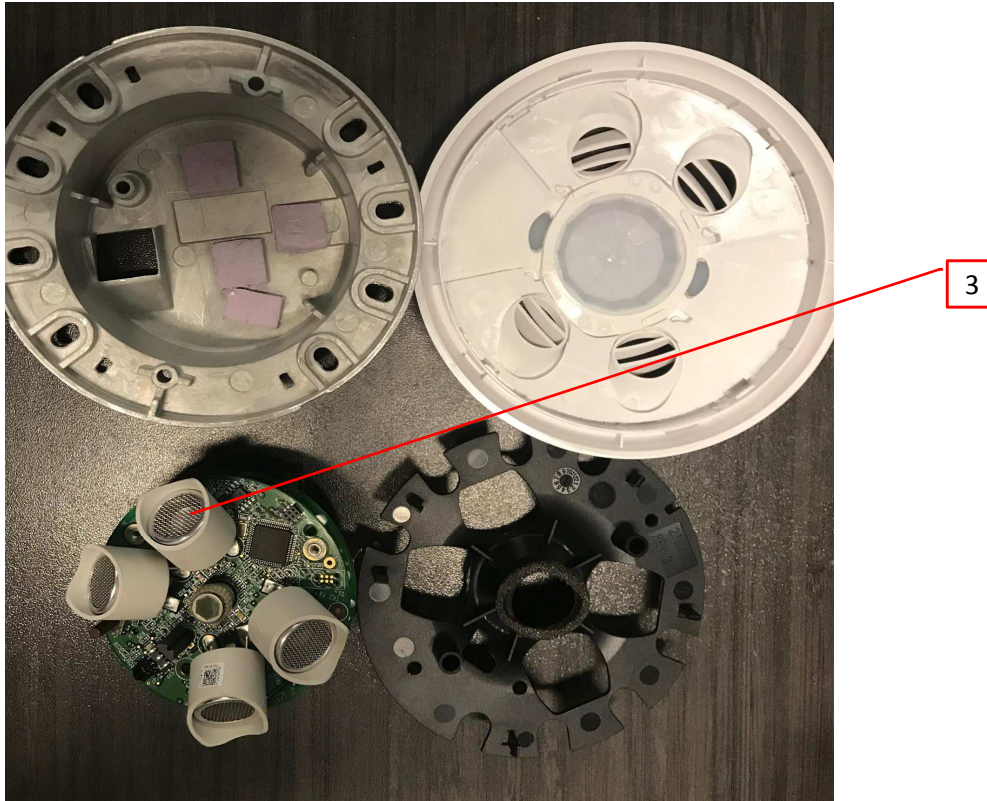
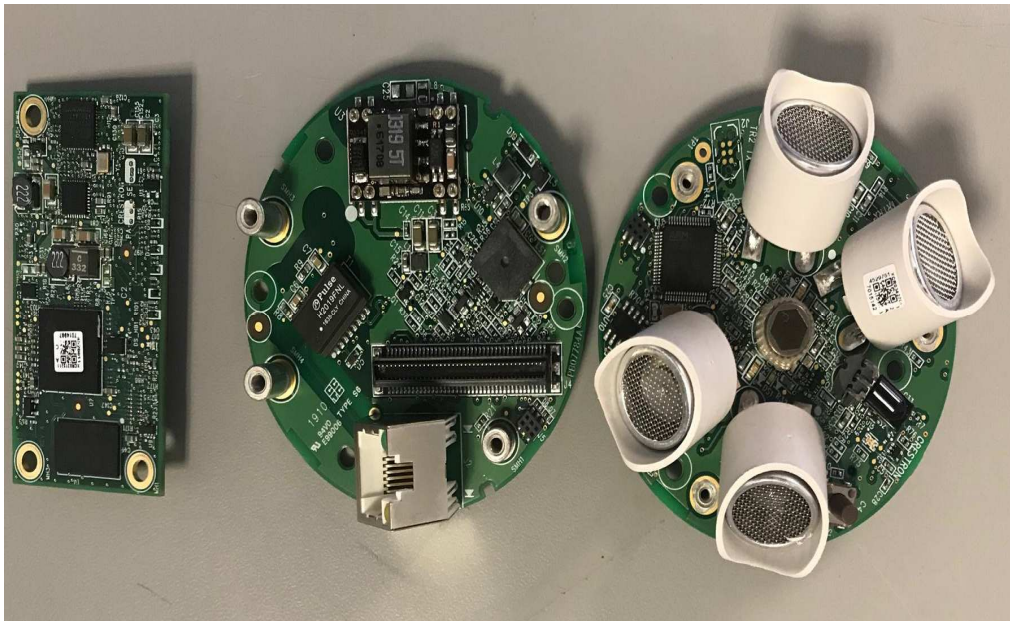


Photo 4 - View of PCBs



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
1	1	Enclosure	Various	Various	Plastic UL94 V-2 Dimensions: 4.8" X.75"	UR
2	2	Ethernet Input connector	Various	Various	120V max working voltage, 1.5A max	UL
3	3	Infrared Sensor	Various	Various	12V max	NR
4	4	PCB	Various	Various	Low voltage circuits only, No batteries Flammability rating : V-0 QTY 3	UR

NOTES:

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.

2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

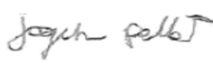

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

- 1 Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
- 2 Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
- 3 Markings - The product is marked Applicant's name, brand name, model number, date of manufacturer, electrical ratings
- 4 Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer.

7.0 Illustrations

No Illustrations are used in this report.

8.0 Test Summary			
Evaluation Period	2019-06-20 Through 2019-07-12		Project No. G103939158
Sample Rec. Date	6/19/2019	Condition Prototype	Sample ID. BOX1906171620-002
Test Location	70 Codman Hill Rd Boxborough, MA 01719 USA		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following tests were performed:			
Test Description	ANSI/UL 62368-1:2014 Ed.2 CSA C22.2#62368-1:2014 Ed.2		
Durability of Marking	Annex F		
Thermal Requirements	5.4.1.5,6.3.2,9.0,B.2.6,B.2.7		
Mechanical Strength Test – 10N Force	T2		
Mechanical Strength Test – 250N Force (external enclosure)	T5		
Mechanical Strength Test – Steel Ball (external enclosure)	T6		
Drop Test – hand-held/direct plug-in	T7		
8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Joaquin Pellot	Reviewed by:	Peter Sedor
Title:	Senior Associate Engineer	Title:	Engineering Team Leader
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	Crestron Electronics Inc
Address	15 Volvo Dr Rockleigh, NJ 7647-2507
Country	USA
Product	Occupancy Sensor

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard" or "Std." Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Cert. to CAN/CSA Std. CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:

Intertek Testing Services NA Inc.
ETL Component Evaluation Center
45000 Helm Street, Suite 150
Plymouth Twp., MI 48170 USA
Attn: Component Evaluation Center

Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

None required for this product

