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Conspec Controls, Inc.
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Attn: Andy Di Cesare

RESEARCH REPORT NO.: 930461

Approval Date: November 30, 2025
Expires: November 30, 2026

GENERAL APPROVAL – Renewal - Carbon Monoxide Detection System - Manufactured by Conspec Controls, Inc. - Power Supply Manufactured by Hammond MFG Co. LTD, Model BE2G, UL listed, Class 2, Step Down, 120VAC transformer, - Carbon Monoxide (CO) Sensor Model 911154-1 CO/VC Rated 24VAC, 3 WATT, 50/60HZ, installed in accordance with the National Electric Code and is suitable for installation in Indoor and/or Dry Locations only.

DETAILS

This approval is for fire, shock, and electrical hazards only and does not address those aspects of detection of gases the device is designed or calibrated to detect.

CONDITIONS OF APPROVAL

The installation and use of the carbon monoxide detection system is approved when the following provisions are met:

1. The Carbon Monoxide Sensor Model 911154 shall be plainly and permanently marked on a contrasting background where readily visible with the following:
 - A. Manufacturer's name, *(Conspec Controls, Inc.)*
 - B. Model designation, *(911154 CO/VC) (911154-1 CO/VC)*
 - C. Electrical rating, *(24VAC, 3W, 60HZ)*
 - D. Manufactured date,
 - E. "Carbon Monoxide Sensor"
 - F. "For use with Conspec Controls, Inc. Power Supply Model 911154-PS, BE2G by Hammond MFG. ONLY."
 - G. "This CO Sensor must be replaced within 5 years of the manufactured date."
 - I. *"The installation of this CO detection system shall be based on the conditions of approval listed in Research Report number 930461. Not valid if RR is not current. For a copy of the RR visit www.LADBS.org or call 323-482-6721."*

2. The Power Supply Model 911154-PS with class II transformer BE2G shall be plainly and permanently marked in letter heights not smaller than 1/8 inch on a contrasting background where readily visible with the following:
 - A. Manufacturer's name,
 - B. Model designation,
 - C. Serial Number,
 - D. Electrical rating, in Volts, Amperes and Frequency,
 - E. "NOT SUITABLE FOR HAZARDOUS LOCATIONS",
 - F. "For Carbon Monoxide Detection Only.",
 - G. "For use with Conspec Controls, Inc., Model 911154 Carbon Monoxide Sensor ONLY",
 - H. "For Indoor / Dry Installations ONLY.",
 - I. *"The installation of this CO detection system shall be based on the conditions of approval listed in Research Report number 930461. Not valid if RR is not current. For a copy of the RR visit www.LADBS.org or call 323-482-6721."*
3. The carbon monoxide detection system shall be installed, calibrated, and maintained by qualified personnel in accordance with the manufacturer's instructions. The installation of the detection system shall comply with the applicable provisions of the Los Angeles City Codes (Building, Electrical, Mechanical and Fire).
4. Plans for the installation of the carbon monoxide detection system shall be submitted to and approved by the Mechanical Plan Check and the Electrical Plan Check prior to each installation.
5. The performance and sensitivity of the carbon monoxide detection system must be evaluated, tested and listed by an approved recognized testing agency.
7. The Carbon Monoxide detection system shall be serviced by qualified personnel at least once a year and it shall always be in optimum operating condition. The building owner shall maintain all service records and make them available to the Department of Building and Safety for inspection when requested.
8. This Carbon Monoxide sensor shall be replaced by qualified personnel within 5 years of the manufactured date, in accordance with the manufacturer's instructions.
9. The installation and performance of this Carbon Monoxide detection system shall comply with the applicable provisions of the Los Angeles City Codes (Building, Electrical, Mechanical & Fire) and California Title-24 Part 6.
10. The audible device shall have a different tone from life safety devices.
11. A part, when replaced, shall be of the identical original approved manufactured part and rating, unless otherwise approved by the Los Angeles City Electrical Testing Laboratory.
12. This approval shall be void if the product is modified without prior authorization from the Los Angeles City Electrical Testing Laboratory.
13. A copy of this conditional approval letter shall be made available at each installation site.

DISCUSSION

The product covered in this Research Report is a *Carbon Monoxide (CO) Detection System* for use in non-hazardous locations such as commercial buildings. A UL listed Class 2, step down, 120VAC:24VAC transformer, model 911154-PS installed in accordance with the National Electric Code, shall be the only device used to energize this (CO) Detection System. This equipment monitors the concentration level of (CO) in the surrounding air. This (CO) detection system is suitable for installation in Indoor and/Dry locations only. The 911154 uses an electrochemical fuel cell as the (CO) detection element. A normal characteristic of the sensor type is a gradual decrease in output response over time. Periodic calibration of the 911154 is necessary to restore accuracy. Under normal conditions of use, the detection element will need to be replaced after five (5) years from date of manufacture.

When the (CO) level exceeds allowable values, set by California Title-24 Part 6 and OSHA, the (CO) detection system, activates the building's ventilation system. If the concentration of (CO) rises above the recommended upper limits set by California Title-24 Part 6 and OSHA, an audible and visual alarm will be activated. Technical Modification was submitted for system firmware upgrade to 911154-COVc.

When this system is installed in accordance with the provisions of this General Approval, it should meet the minimum safety standards of the Los Angeles City Electrical Code.

For this General Approval to be valid on any installation in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety may make a determination that all conditions of the General Approval required to provide equivalency have been met.

This General Approval is in accordance with Section 93.0303 of the Los Angeles Electrical Code pertaining to "New Materials and Methods of Construction" and does not waive the requirements of any other City of Los Angeles Codes.

This General Approval is neither a product endorsement nor a certification of function or accuracy of the approved items.

PICTURES:



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