



Certificate of Compliance

Certificate: 70029337

Master Contract: 248090

Project: 70029337

Date Issued: 2015-11-05

Issued to: ecom instruments GmbH
Industriestr.2
D-97959 Assamstadt, Baden - Wurttemberg
GERMANY
Attention: Kevin Spence

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: B J Allen

PRODUCTS

2258-02 PROCESS CONTROL EQUIPMENT – For Hazardous Locations
2258-82 PROCESS CONTROL EQUIPMENT – For Hazardous Locations

Class I, Division 2, Groups A, B, C and D; T4

Portable Smartphones Models Ex-Handy 209-* and Smart-EX 201-*, where * = a single letter that represents the devices frequency range for different parts of the world i.e. A = American Frequencies. Units are supplied by rechargeable battery packs consisting of 3.8Vdc Li-ion batteries.

For Installation the following Documents must be observed: control drawing 500059EX03A and jack socket drawing parameter drawing 500059EX04A.

Ambient temperature: -20°C to +55°C; Enclosure IP64



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Conditions of acceptability regarding ordinary locations:

- 1) This investigation does not include the functionality, performance or mobile communication aspects of Portable Smartphones Models Ex-Handy 209-* and Smart-Ex 201-*.
- 2) Units are intended to be supplied by external approved power supply unit (not part of the investigation), provided with SELV and Limited Power Source output separated from the mains by double or reinforced insulation
- 3) The units are considered to be Class III (i.e. supplied from SELV, safety extra low voltage source).
- 4) The charging / discharging of the smart mobile phone shall not exceed 60°C ambient.

APPLICABLE REQUIREMENTS

C22.2 no 0-10	General Requirements
CAN/CSA C22.2 no 60950-1-07 inc A1:2011, A2:2014	Information Technology Equipment. - Safety –Part 1: General Requirements.
C22.2 no 213-M1987 (reaffirmed 2013)	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
ANSI/UL 60950-1- 2014 2nd Ed	Information Technology Equipment. - Safety –Part 1: General Requirements.
ISA 12.12.01-2013	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations.



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings are applied by laser printing on the plastic external case.

1. Manufacturer's name: "ecom", or CSA Master Contract number "248090" adjacent to the CSA mark in lieu of manufacturer's name.
2. Model number: As specified in the PRODUCTS section, above.
3. Electrical ratings: As specified in the PRODUCTS section, above.
4. Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
5. Ambient temperature rating: As specified in the PRODUCTS section, above.
6. The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
7. Temperature Code: As specified in the PRODUCTS section, above.
8. Hazardous Location designation- "Class I, Division 2, Groups A, B, C and D" (may be abbreviated).
9. Temperature Code "T4" (optional marking)
10. The following optional markings may be used: "Class I, Zone 2, Group IIC".
11. The following warnings:

OBSERVE/VOIR DOCUMENT <<CONTROL DRAWING>> 500059EX03A.
DO NOT CHARGE THE BATTERY IN HAZARDOUS LOCATIONS!
NE PAS CHARGER LA BATTERIE DANS DES ZONES DANGEREUX!