



Certificate: 2533775
Project: 70049031

Master Contract: 150861
Date Issued: 2017-05-03

- 2- Non-rechargeable 5 series D cell battery pack P/N 602-004402-000, 19 Ah, rated as: 10.25V to 18V DC, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (897-850902-010)
- 3- Rechargeable 3S-6P A cell battery pack P/N 976-0BP303-012, 2200mAh, rated as: 9V to 12.6V DC C, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (PN 897-850902-010)
- 4- Rechargeable 3S-6P A cell battery pack P/N 976-0BP303-290, 2900mAh, rated as: 9V to 12.6V DC C, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (PN 897-850902-010)

Model CX-DM series oxygen or toxic gas detectors (PN 96C-XX040Z-YYY, where XX is the gas code representing the type of optional target gas being measured, where YYY is the concentration range of the sensor assembly, and where Z can be any of the following: 2 = Mini Condulet 316SS (PN 897-860001-316), 3 = Large 316SS Condulet (PN 897-850000-316)), with plug-in sensor cell assembly PN 371-XXYY00-ZZZ (where XX is the gas code representing the target gas being measured, YY is the cell code representing the electrochemical cell type being used, and where ZZZ is the concentration range of the replaceable plug-in sensor assembly) per drawing 3924-i; rated 9V-30Vdc, 50mA Max, 4-20mA and RS485 communication; Explosion-proof product with integral intrinsically safe sensor, Um= 30V, Ambient Temperature Range -40°C to 50°C, Temperature Code T4.

Note: For PN 371-XXYY00-ZZZ, only sensor versions that have electrochemical cells producing less than 1v, 0.5mA may be used.

CLASS - C482801 - SIGNAL APPLIANCES --Combustible Gas Detection Instruments-For Hazardous Locations

CLASS - C482881 - SIGNAL APPLIANCES-Combustible Gas Detection Instruments-For Hazardous Location-Certified to U.S. Standards

Class I, Division 1, Groups C and D

Model CXT-IR (PN 96C-IR0202-100) Combustible gas detector, with sensor cell assembly 371-IR1III1-000 per drawing 3839-i; with integral intrinsically safe sensor and RF antenna, Um= 30V, Ambient Temperature Range -40°C to 60°C, Temperature Code T4. May be used with the following accessory: Rain Shield P/N 6130.

Battery powered for use with:

- 1- Non-rechargeable 3 series C cell battery pack P/N 602-003870-000, 850mAh, rated as: 7.2V to 11V DC, 50mA Max; installed in a stainless steel explosion proof Mini-Condulet j- box (PN 897-860001-316)
- 2- Non-rechargeable 5 series D cell battery pack P/N 602-004402-000, 19 Ah, rated as: 10.25V to 18V DC, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (897-850902-010)
- 3- Rechargeable 3S-6P A cell battery pack P/N 976-0BP303-012, 2200mAh, rated as: 9V to 12.6V DC C, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (PN 897-850902-010)
- 4- Rechargeable 3S-6P A cell battery pack P/N 976-0BP303-290, 2900mAh, rated as: 9V to 12.6V DC C, 50mA Max; installed in an Aluminum explosion proof Tall-Condulet j- box (PN 897-850902-010)

Model CX-IR (PN 96C-IR040Z-100, where Z can be any of the following: 2 = Mini Condulet 316SS (PN 897-860001-316), 3 = Large 316SS Condulet (PN 897-850000-316)) Combustible gas detector, with sensor cell



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assembly 371-IR1III-000 per drawing 3839-i; rated 9V-30Vdc, 50mA Max, 4-20mA and RS485 communication; Explosion-proof product with integral intrinsically safe sensor, Um= 30V, Ambient Temperature Range -40°C to 60°C, Temperature Code T4. May be used with the following accessory: Rain Shield P/N 6130.

Note:

"WARNING": CSA certification does not include wireless communication or Modbus used for combustible gas performance. The wireless communication or Modbus may only be used for data collection or record keeping with regard to combustible gas detection. Gas indication and alarm functions for performance are only permitted locally by the detector.

APPLICABLE REQUIREMENTS

- | | | |
|------------------------------|---|---|
| CAN/CSA-C22.2 No. 0-M91 | - | General Requirements – Canadian Electrical Code, Part II |
| C22.2 No. 142-M1987 | - | Process Control Equipment |
| CSA C22.2 No.30-M1986 | - | Explosion-Proof Enclosures for Use in Class I Hazardous Locations |
| CAN/CSA-C22.2 No. 157-92 | - | Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations |
| CSA C22.2 No.152-M1984 | | Combustible Gas Detection Instruments |
| UL No. 916-2007 | - | Energy Management Equipment |
| UL 913 (7 th Ed.) | - | Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations |
| UL No. 1203-2006 | | Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations |
| ANSI/ISA-12.13.01-2000 | - | Performance Requirements for Combustible Gas Detectors |



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Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70049031	2017-05-03	Updating the report 2533775 to cover drawings update, adding aluminum Tall box to CX-IR/DM model (when it is as a battery powered device), antenna potting passage change and firmware change.
70055426	2015-12-14	Update to Report 2533775 to add aluminum conduit P/N 897-850902-010, including Rechargeable and Non-Rechargeable D-Cell batteries with their terminal board only on the models CXT-DM/IR.
2717395	2014-05-30	Update to report to include new Models CX-IR series combustible and CX-DM series toxic gas detectors and drawing changes to existing CXT-IR and CXT-DM models.
2533775	2013-11-15	Original certification of CXT-IR Combustible Gas Detector and Model Series CXT-DM Oxygen or Toxic Gas Detector.