



# Certificate of Compliance

**Certificate:** 2095819 **Master Contract:** 150863 (052532\_C\_000)

**Project:** 70127763 **Date Issued:** 2017-04-25

**Issued to:** **Detector Electronics Corporation (Det-Tronics)**  
**6901 W 110th St**  
**Minneapolis, Minnesota 55438-2392**  
**USA**  
**Attention: Jon Miller**

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Konstantin Rybalko*  
Konstantin Rybalko

## PRODUCTS

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

**Class I, Div. 1, Groups B, C and D (T4);**  
**Class I, Div. 2, Groups A, B, C and D (T4)**

PointWatch Eclipse® stand-alone infrared (IR) hydrocarbon gas detector, Model PIRECL Series (SIL or Non-SIL), input voltage 18 to 32 Vdc, 24 Vdc nom., 10 W max., output 4-20 mA, -55°C to +75°C ambient temperature limits. Optional relays rated 30 Vdc/5A. Optional intrinsically safe output port for HART Communication per Drawing 007283-001. May be used with Termination Box, Model PIRTB Series and/or Universal Display Unit Model UD20 Series. Gas Performance certified for Methane, Propane, Butane and Ethylene

AutoPoint stand-alone infrared (IR) hydrocarbon gas detector, Model HC200 Series, input voltage 18 to 32 Vdc, 24 Vdc nom., 10 W max., output 4-20 mA, -55°C to +75°C ambient temperature limits. Optional relays rated 30 Vdc / 5A. Optional intrinsically safe output port for HART Communication per Drawing 007283-002. May be used with Termination Box, Model PIRTB Series and/or Universal Display Unit Model UD20 (or AV20) Series.

Note: Enclosure with metric threads must be used with certified metric to NPT adaptor.



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**CLASS - C482802 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations**

**Class I, Div. 1, Groups B, C and D (T4);  
Class I, Div. 2, Groups A, B, C and D (T4)**

PointWatch Eclipse® stand-alone infrared (IR) Carbon Dioxide gas detector, Model PIRECL Series, input voltage 18 to 32 Vdc, 24 Vdc nom., 10 W max., output 4-20 mA, -55°C to +75°C ambient temperature limits. Optional relays rated 30 Vdc / 5A. Optional intrinsically safe output port for HART Communication per Drawing 011975-001. May be used with Termination Box, Model PIRTB Series.

AutoPoint stand-alone infrared (IR) Carbon Dioxide gas detector, Model HC200 Series, input voltage 18 to 32 Vdc, 24 Vdc nom., 10 W max., output 4-20 mA, -55°C to +75°C ambient temperature limits. Optional relays rated 30 Vdc / 5A. Optional intrinsically safe output port for HART Communication per Drawing 007283-002. May be used with Termination Box, Model PIRTB Series.

#### **APPLICABLE REQUIREMENTS**

- |                             |   |   |
|-----------------------------|---|---|
| CAN/CSA-C22.2 No. 0-M91     | - | General Requirements – Canadian Electrical Code, Part II                              |
| C22.2 No. 30-M1986          | - | Explosion-Proof Enclosures for Use in Class I Hazardous Locations                     |
| CAN/CSA-C22.2 No. 94-M91    | - | Special Purpose Enclosures  |
| C22.2 No. 142-M1987         | - | Process Control Equipment   |
| CSA Std. C22.2 No.152-M1984 | - | Combustible Gas Detection Instruments   |
| CAN/CSA-C22.2 No.157-92     | - | Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations         |
| C22.2 No. 213-M1987         | - | Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |



## *Supplement to Certificate of Compliance*

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**Master Contract:** 150863 (052532\_C\_000)

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

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70127763	2017-04-25	Update to report 2095819 to include Fast Response firmware update.
70119007	2017-02-22	Update to report 2095819 for RoHS compliance and minor drawings revision.
70042467	2015-12-23	Update to the Report 2095819 for Firmware change to include HART 7 functionality
70031993	2015-08-24	Update to Report 2095819 for drawings update to model PIRECL.
70024910	2015-04-07	Update Report 2095819 to replace hydrophobic filter material used in weather baffle for PIRECL detector, and update drawings and manual with minor revisions.
2663025	2013-10-29	Update to report 2095819 to include revised firmware.
2615609	2013-08-29	Update to report 2095819 to cover revised LON board construction.
2530890	2012-06-04	Update to report 2095819 to include hardware and firmware changes and increase ambient temperature range.
2484899	2012-02-14	Update to report 2095819 to add a CO2 version.
2434408	2011-09-21	Update to report 2095819 to cover the addition of a Butane version.
2423553	2011-06-08	Update to report 2095819 to cover acceptance of propane and ethylene versions.
2413956	2011-04-29	Update to report 2095819 to cover revised construction.
2310530	2010-06-17	Update to report 2095819 to cover minor revised construction of processing board.
2235267	2010-04-12	Update to report 2095819 to cover revised Firmware and an alternative sub D connector.
2095819	2009-03-24	Update to cover revised firmware and addition of Model without HART