



Certificate of Compliance

Certificate Number: LR 104195-3

Revision: LR 104195-3

Date Issued: October 28, 1997

Issued to: **KWJ Engineering, Inc.**
8440 Central Ave.
Newark, CA 94560

The products listed below are eligible to bear the CSA Mark

Issued by: **Dave Adams, P.Eng.**
Edmonton, AB Canada

Signature: _____

PRODUCTS

4628 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

CLASS I, GROUPS A, B, C and D; T4

Model 5700, portable Carbon Monoxide Gas Detection Instrument. Battery operated (see list of batteries below) and Intrinsicly Safe. Suitable for Class I, Groups A, B, C and D; Temperature Code T4. Used with one of the following Batteries:

Type	Manufacturer	Part No.
Alkaline "9V" size	Eveready	522
Alkaline "9V" size	Duracell	MN1604
Alkaline "9V" size	Radio Shack	23-553

The Model 5700 can be used with or without the following accessory:

- a) Part No. 52-1040K Remote Alarm



Revision: LR 104195-3

APPLICABLE STANDARDS

The product, as described in this Report, complies with:

- | | | | |
|-----------------------|-----------|---|--|
| CSA Standard C22.2 No | 0-M91 | - | General Requirements, Canadian Electrical Code, Part II. |
| | 142-M1987 | - | Process Control Equipment. |
| | 157-92 | - | Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations. |

MARKINGS

The following information appears on the Model 5700 CO Gas Detector (Refer to Figure 1):

- (1) Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue/Model designation.
- (3) Date code or Serial Number traceable to month and year of manufacture.
- (4) "Exis" Symbol (adjacent the CSA Mark).
- (5) Complete Electrical Ratings.
- (6) Hazardous Location designations.
- (7) Temperature Code T4.
- (8) The CSA Mark.
- (9) The following statements:
CERTIFIED FOR USE IN CLASS I, DIV 1, GROUPS A, B, C, AND D WHEN USED WITH TWO "9V" ALKALINE BATTERIES AND OPTIONAL 52-1040K REMOTE ALARM.
- (10) The following warning statements:
WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY. DO NOT CHANGE BATTERIES IN A HAZARDOUS LOCATION. AUXILIARY POWER JACK TO BE USED ONLY IN AN AREA KNOWN TO BE NON-HAZARDOUS. READ OPERATOR'S MANUAL BEFORE USING. USE ONLY BATTERY TYPE LISTED IN OPERATOR'S MANUAL.

The following information appears on the Model 5700 Remote Alarm, Part No. 52-1040K (Refer to Figure 2):

- (1) Model designation/Part No.
- (2) A statement to the effect:
FOR MODEL 5700 CO MONITOR.

FACTORY TESTS

None Required



Supplement to Certificate of Compliance

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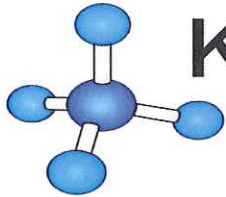
*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Issued By: **Dave Adams, P.Eng.**
Edmonton, AB Canada

Signature 

Product Certification History

Revision	Date	Description
LR 104195-3	October 28, 1997	Model 5700, portable Carbon Monoxide Gas Detection Instrument. Battery operated and intrinsically safe. Suitable for Class I, Groups A, B, C and D



KWJENGINEERING INC

INNOVATIVE SOLUTIONS FOR GAS DETECTION

8440 Central Avenue

Newark, CA 94560

www.kwjengineering.com

Phone: 510.794.4296

Fax: 510.794.4330

kwjgasdet@aol.com

CERTIFICATE OF COMPLIANCE

We hereby certify that the CO Monitors, P/N 73-1270, Model 5700RF, as supplied to MST Inc., are manufactured in accordance with CSA Report LR 104195-3, which certifies that the Model 5700 is intrinsically safe, suitable for operation in Class I Groups A, B, C and D, Temperature Code T4.

Conformance with this standard is confirmed by quarterly inspections by the CSA Field Representative. Most recent inspection took place on June 7, 2011. The most recent lot of instruments shipped to MST was shipped on June 30, 2011, against MST Order 11501145.

K.W. Johnson, Chairman
KWJ Engineering Inc.

Dated: _____

6/30/11



Exia-T4

NST™

MODERN SAFETY TECHNIQUES

MODEL 5700

Serial

LR 104195

9-12 VOLTS DC AT 0.1 AMP

CERTIFIED FOR USE IN CLASS I, DIV 1, GROUPS A, B, C, AND D WHEN USED WITH TWO "9V" ALKALINE BATTERIES AND OPTIONAL 52-1040K REMOTE ALARM.

WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY. DO NOT CHANGE BATTERIES IN A HAZARDOUS LOCATION. AUXILIARY POWER JACK TO BE USED ONLY IN AN AREA KNOWN TO BE NON-HAZARDOUS. READ OPERATOR'S MANUAL BEFORE USING. USE ONLY BATTERY TYPE LISTED IN OPERATOR'S MANUAL

DIMENSIONS: 3.7" x 1.7" - SEE DWG. A200-A1

MATERIAL: White and matte silver polyester, 4 mil with hot stamp (black) and clear polyester lamination overall. Pressure-sensitive adhesive type "L-23". Bradley Type A. File LS 97326-2.

APPLICATION NO: LR 104195-3
REPORT NO: LR 104195-3
FIGURE 1

MODEL /JOB A200		KWJ	KWJ ENGINEERING, INC. NEWARK, CALIFORNIA 94560	
LTR				
		TITLE ARTWORK, NAMEPLATE, MODEL 5700		
		SCALE 2:1	DR RC	DWG. NO.
		DATE 9-23-97	CHK	A200-A1A
				REV



CSA INTERNATIONAL

FACTORY INSPECTION REPORT

(Refer to DQD 320 Series)

Factory ID: 4569054
 Factory Contract: 185280
 Master Contract: 185279
 Legacy Number(s): 104195

Trip Number: NCA29Q4
 PO Number: N/A
 Arrival: 14:15 Depart: 16:00

Page 1 of 2

Date: Mar 16, 11

Summary Inspection Code(s): K

Submittor: KWJ Engineering, Inc. 4569054 8440 Central Ave. Newark, California 94560 USA	Factory: KWJ Engineering, Inc. 8440 Central Ave. Newark, California 94560 USA
Is a system in place for recording customer complaints? Yes	Have any complaints been received since last inspection? Have you initiated any safety related recall activities or contacted CPSC, ESA, Régie du bâtiment or other regulatory body about safety related product incidents or defects? No
Traceability of Incoming Materials/Procedures Reviewed & Found Acceptable?: Yes	

Observations:

Factory: (Observations): This unit does not have to undergo factory test per CSA certificate of compliance.

Met factory representative Mr. Larry Johnson and discussed to the following :

Reviewed process and documentation for incoming materials and found to be acceptable. Incoming materials are inspected according to Quality Plan. Non-conforming parts are isolated and stored in designated areas. Applied DQD513.45.

Is the factory ISO certified : Yes, and the cert is valid at time of inspection.

Discussed changes in the factory or submittor's address : No Change

Reviewed the Factory contact Questionnaire and updated information : No Change

Reviewed changes to the certification record and noted new or obsolete products : No Change

Discussed any concerns relating to CSA International : No Change

Reviewed the incoming receiving procedures and verified that only the correct components are used - also verified how non-conforming components are isolated : Yes

Reviewed production and in-process areas to review procedures to make sure that only the correct components are used : Yes

Reviewed production and stock areas to ensure that only eligible products are CSA Marked : Yes

Observed controls in place to ensure that only eligible products are CSA Marked : Yes

4828-02: (Product): CO Gas Detector (Model): 5700 (Ratings): 9-12 Vdc, 1A, CI 1, Div 1, Group A B C and D, Temp T4 (S/N): Not Applied Yet (Reports Referenced): 1235558 / 1235558 (Stds Referenced): C22.2 No 0 - M91 (Marking Deviations): None (DQD/Notices/FSI): None (Labels on Hand): None (Observations): Examined a product from production will bear CSA monogram. Construction reviewed and found to be in compliance with the certified design of record. Approved alternate components as follows: Barrier resistors on Wiring Board RCD 133-1R50-FBW. CO sensor S/N 709002050 used labeled as a KWJ P/N 65-2400K, verified by PO to be Ventrex V70-COH from Sensidyne (Sensidyne acquired Ventrex). 2x 9V batteries to be used in unit verified from stock as Duracell P/N PC1604. Polyswitch resettable fuse verified to be Raychem RXEF010. Verified construction of housing, markings, as in report 1235558. (CheckList: FSIC-025, 2009-04-22)

As the facility representative, the undersigned, hereby agrees that all production subsequent to the time of the inspection will incorporate required changes.

Name: Larry Johnson
(Facility Representative)

Name: JUSTIN CHOU
(CSA Representative)

CSA Office: IRVINE
Employee No: 11744

Signature: I have read and understand this report as written.



CSA INTERNATIONAL

FACTORY INSPECTION REPORT

(Refer to DQD 320 Series)

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Factory Contract: 185280
Master Contract: 185279
Legacy Number(s): 104195

Trip Number: NCA29Q4
PO Number: N/A
Arrival: 14:15

Page 2 of 2
Depart: 16:00
Date: Mar 16, 11
Summary Inspection Code(s): K

Observations:

[Empty box for observations]

Factory Tests Applied:

Class No.	Type of test:	Manufacturer:	Model:	S/N or ID	Cal Due Date	Value:	% of Prod	Funct. Check	Accept-able
4828-02	N/A	N/A	N/A	N/A	N/A	N/A	Na	No	Yes

Immediate changes required as a condition of continued certification:

Factory: (Inspection Codes): K (Changes): None
4828-02: (Model): 5700 (Inspection Codes): K (Changes): None

Class No.	Inspection Codes	Marketing Code	Is construction and material in compliance with report/s?	Is the mfg aware of the new effective dates?	Are new requirements complied with?	Is marking in accordance with report?	How Applied?	Was the CSA Mark removed or Shipment Held?	Were defects corrected on all samples?	Retest/Component Samples selected?	Time Spent Per Class (hrs:min)	Follow Up Reviewed & Resolved?	Follow Up Required?
Factory	K	-	-	-	-	-	-	-	-	-	01:00	-	No
4828-02	K		Yes	N/A	N/A	Yes	PS Adhesive Label	N/A	N/A	N/A	01:00	-	No

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(Facility Representative)

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