



Certificate of Compliance

Certificate: 70057387

Master Contract: 167534

Project: 80013614

Date Issued: 2019-11-12

Issued To: MSA - The Safety Company
1000 Cranberry Woods Dr
Cranberry Township, Pennsylvania, 16066-5296
United States

Attention: Craig Gestler

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: Alejandra Fuentes Valdez
Alejandra Fuentes Valdez



PRODUCTS

CLASS - C872106 - ELECTRICAL LABORATORY EQUIPMENT

CLASS - C872186 - ELECTRICAL LABORATORY EQUIPMENT Certified to US Standards

Halogenated refrigerant monitor for non-flammable refrigerants, Model Chillgard VRF, rated 24Vac, 50/60Hz, 5W or 24Vdc, 5W. Relay output rated Max 30V dc, 1A, 30W.

Notes:

1. The above model is cord/permanently connected, Equipment Class III, Pollution Degree 2, Installation Category II.
2. Mode of operation: Continuous.
3. Environmental Conditions: Extended: 0 to 60°C, 2000 m max, 80% to temperatures up to 31 °C decreasing linearly to 50% rH at 40 °C.



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APPLICABLE REQUIREMENTS

CSA Standards:

CAN/CSA-C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Standards:

UL Std. No. 61010-1 (3rd Edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

1. The refrigerant monitor shall, as per the user manual, always be powered by either a suitable UL/CSA/IEC 60950 Certified power supply which is isolated from line voltage by double insulation, or an appropriately rated UL Listed/CSA Certified Class 2 transformer.
2. The refrigerant monitor shall, as per the user manual, not be painted. Painting can interfere with the sampling process of the detector.
3. The refrigerant monitor shall, as per the user manual, not be installed in outdoor areas or locations where explosive concentrations of combustible gases or vapours might occur in the atmosphere.
4. The refrigerant monitor is not to be used for systems where flammable refrigerants / gases are used.
5. The refrigerant monitor has only been tested for electrical safety. No evaluation of reliability and performance characteristics has been conducted.



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
80013614	2019-11-12	Update report 70057387 due to changes to add a buzzer.
70057387	2017-01-12	Original evaluation of Chillgard VRF to for North American certification and to issue a CB Certificate to IEC 61010 3rd edition.