



JOINT CANADA-UNITED STATES
NATIONAL STANDARD

ANSI/CAN/UL 1008M:2024

STANDARD FOR SAFETY

Transfer Switch Equipment, Meter-
Mounted

SCC FOREWORD

National Standard of Canada

A National Standard of Canada is a standard developed by a Standards Council of Canada (SCC) accredited Standards Development Organization, in compliance with requirements and guidance set out by SCC. More information on National Standards of Canada can be found at www.scc.ca.

SCC is a Crown corporation within the portfolio of Innovation, Science and Economic Development (ISED) Canada. With the goal of enhancing Canada's economic competitiveness and social well-being, SCC leads and facilitates the development and use of national and international standards. SCC also coordinates Canadian participation in standards development, and identifies strategies to advance Canadian standardization efforts.

Accreditation services are provided by SCC to various customers, including product certifiers, testing laboratories, and standards development organizations. A list of SCC programs and accredited bodies is publicly available at www.scc.ca.

UL Standard for Safety for Transfer Switch Equipment, Meter-Mounted, ANSI/CAN/UL 1008M

First Edition, Dated April 3, 2024

Summary of Topics

This is the First Edition of ANSI/CAN/UL 1008M, Standard for Transfer Switch Equipment, Meter-Mounted dated April 3, 2024.

The new requirements are substantially in accordance with Proposal(s) on this subject dated March 31, 2023 and February 16, 2024.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of ULSE Inc. (ULSE).

ULSE provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will ULSE be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if ULSE or an authorized ULSE representative has been advised of the possibility of such damage. In no event shall ULSE's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold ULSE harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page



ANSI/UL 1008M-2024

APRIL 3, 2024



1

ANSI/CAN/UL 1008M:2024

Standard for Transfer Switch Equipment, Meter-Mounted

First Edition

April 3, 2024

This ANSI/CAN/UL Safety Standard consists of the First Edition.

The most recent designation of ANSI/UL 1008M as an American National Standard (ANSI) occurred on April 3, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This standard has been designated as a National Standard of Canada (NSC) on April 3, 2024.

COPYRIGHT © 2024 ULSE INC.

No Text on This Page

CONTENTS

Preface	5
---------------	---

INTRODUCTION

1 Scope	9
2 Components	9
3 Units of Measurement	10
4 Referenced Publications	10
5 Glossary	11

CONSTRUCTION

6 General	11
7 Enclosure	11
8 Insulating Material	12
9 Mounting of Parts	12
10 Guarding and Accessibility of Live Parts	13
11 Current-Carrying Parts	13
12 Power Circuit Connections	13
13 Internal Wiring	14
14 Grounding and Bonding/Equipment Grounding	14
15 Operating Mechanism	15
15.1 General	15
15.2 Location and protection of transfer control circuits	16
16 Receptacles	16
17 Inlets for Cord Connection to a Portable Generator	17
18 Spacings	17
18.1 General	17
18.2 Spacings on printed wiring boards	17

PERFORMANCE

19 General	18
20 Normal Operation Test	19
21 Overvoltage Test	19
22 Undervoltage Test	20
23 Overload Test	20
24 Temperature Test	21
25 Endurance Test	23
26 Dielectric Voltage-Withstand Test	24
27 Withstand	25
28 Closing	27

RATINGS

29 Details	27
------------------	----

MARKINGS

30 General	27
31 Permanence of Marking	30
32 Installation Instructions	30



ANNEX A – SAFETY MARKING TRANSLATIONS (Normative for Canada and Informative the United States)

Preface

This is the First Edition of ANSI/CAN/UL 1008M, Standard for Transfer Switch Equipment, Meter-Mounted.

UL is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This Standard has been developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization.

This ANSI/CAN/UL 1008M Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Annex A is identified as Normative for Canada and Informative for the US. Informative text is for informational purposes only, and Normative text is considered to be mandatory.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

Our Standards for Safety are copyrighted by ULSE Inc. Neither a printed nor electronic copy of a Standard should be altered in any way. All of our Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of ULSE Inc.

This Edition of the Standard has been formally approved by the Technical Committee (TC) on Transfer Switch Equipment, TC 1008.

This list represents the TC 1008 membership when the final text in this standard was balloted. Since that time, changes in the membership may have occurred.

TC 1008 Membership

Name	Representing	Interest Category	Region
Barnhart, Paul D.	UL Solutions	Testing and Standards Org.	USA
Beaucage, Timothy	Cummins Power Generation	Producer	USA
Belcastro, Christopher	ABB Ltd	Producer	USA
Borland, Ed	Jesstec Industries INC	Producer	Canada
Chilton, Nancy	Schneider Electric USA, Inc.	Producer	USA
Chilton, Ron	North Carolina Department Of Insurance	AHJ	USA
Cole, Bryan	Technology Research Council LLC	General Interest	USA
Czarnecki, Neil	Reliance Controls Corp	Producer	USA

TC 1008 Membership Continued on Next Page

TC 1008 Membership Continued

Name	Representing	Interest Category	Region
Daugherty, Herbert	Electrical Generating Systems Association	General Interest	USA
Delgado, Lisette	UL Standards & Engagement	TC Project Manager	USA
Dempsey, Michael	Trinity Code Inspections	AHJ	USA
Doucet, Pierre	Government Of NEW Brunswick	AHJ	Canada
Douglas, Steve	QPS Evaluation Services	Testing and Standards Org.	Canada
Findley, Keith	Evapar	Supply Chain	USA
Froemming, Steven	City Of Franklin	AHJ	USA
Ganiere, Don	City of Ottawa (Illinois)	AHJ	USA
Genereux, Dany	Hydro-Quebec	Commercial / Industrial Users	Canada
Glubrecht, Kevin	Alberta Municipal Affairs	AHJ	Canada
Gopalakrishnan, Kumaraswamy	Intertek Testing Services	Testing and Standards Org.	USA
Jackson, Pete	City Of Bakersfield	AHJ	USA
Karna, Alan	Briggs & Stratton Energy Solutions	Producer	USA
Leibowitz, Mike	National Electrical Manufacturers Association (NEMA)	Non-voting	USA
Little, Michael	Kohler CO	Producer	USA
Lusk, Michael	CSA Group	Testing and Standards Org.	Canada
Martin, Jacques	Retired	Testing and Standards Org.	Canada
Montague, PE, David L.	JS Held	General Interest	USA
Myers, Joshua	Eaton	Producer	USA
Myers, Randi K.	UL Standards & Engagement	TC Chair	USA
Nagpal, Nikhil	Generac Power Systems	Producer	USA
Roop, Jit	Thomson Technology	Producer	Canada
Sappington, Steve	Caterpillar, Inc	Commercial / Industrial Users	USA
Savage, Michael	Marion County, FL	AHJ	USA
Sudler III, Samuel	SEA LTD	General Interest	USA
Terry, Steven	Electronic Theatre Controls INC	Producer	USA
Whistler, Wendell	Central Electrical Training Center	General Interest	USA
Wilson, David	Eecol Electric ULC	Supply Chain	Canada
Wing, Lyle	State Of Idaho	AHJ	USA

International Classification for Standards (ICS): 29.130.01

For information on ULSE Standards, visit <https://www.shopulstandards.com>, call toll free 1-888-853-3503 or email us at ClientService@shopULStandards.com.

This Standard is intended to be used for conformity assessment.

The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS FRANÇAISE ET
ANGLAISE