

Certificate of Compliance

Certificate: 1428924

Master Contract: 189456 (File 112669)

Project: 1428924

Date Issued: 2003-04-23

Issued to: S.I.T. Controls U.S.A., Inc.
8100G Arrowridge Boulevard
Charlotte, North Carolina 28273
USA
Attention: Robert B. Taylor

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: Valdis Udris

Authorized by: Trevor Perera
Manager, Certification Services

PRODUCTS

CLASS 3302 01 COMBINATION CONTROLS (GAS) – Part 1

Model Number Inlet Size Outlet Size

For Use With Natural, Mfd., Mixed, Liq. Pet. or Propane Gases and LP Gas-Air Mixtures

Automatic Pilots, Manual Valves and Piezoelectric Igniters

Trade Name: P90

P90 # 3/8 3/8

(# For multipoise installation.)

For operation at ambient temperatures of 32°F to 175°F.

CLASS 3302 81 COMBINATION CONTROLS (GAS) – Part 1

Model Number Inlet Size Outlet Size

For Use With Natural, Mfd., Mixed, Liq. Pet. or Propane Gases and LP Gas-Air Mixtures

Automatic Pilots, Manual Valves and Piezoelectric Igniters

Trade Name: P90

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognised to perform certification to U.S. Standards.



Certificate: 1059458
Project: 1430732

Master Contract: 189456
Date: 2003-04-22

P90 #

3/8

3/8

(# For multipoise installation.)

For operation at ambient temperatures of 32°F to 175°F.

APPLICABLE REQUIREMENTS

ANSI Z21.78 -2000•CSA 6.20 -2000 Combination Gas Controls for Gas Appliances

MARKINGS

All markings and instructions are in compliance with the above-mentioned requirements. Samples are contained in the main certification report.

Supplement to Certificate of Compliance

Certificate: 1428924

Master Contract: 189456

*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
1428924	2003-04-23	Original certification.



Descriptive and Test Report

MASTER CONTRACT: 189456

REPORT: 1428924

PROJECT: 1428924

Edition 1: 2003-04-23; Project 1428924 - Cleveland, Issued by Valdis Udris; Reviewed by Trevor W. Perera

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Description and Tests – Pages 1 to 4

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APPLICABLE REQUIREMENTS

ANSI Z21.78 -2000•CSA 6.20 -2000 Combination Gas Controls for Gas Appliances

This report shall only be reproduced, except in full, without the approval of CSA International.

We Answer With Solutions

8501 East Pleasant Valley Road, Cleveland, OH 44131-5575

Telephone: 216.524.4990 Fax: 216.642.3463 Website: www.csa-international.org

ALTERATIONS

No alterations were required.

FACTORY TESTS

The submitter shall ensure that the following factory tests are conducted at the frequency specified and the results are documented and made available for review by CSA field services representatives:

<u>Test</u>	<u>Frequency</u>
Leakage at room temperature	100%
For a thermoelectric device, pull-in current and drop-out current	100%
Continued operation	Annually
Leakage	Annually
Strength and deformation	Annually
Capacity	Annually

DESCRIPTION

See main report.

TESTS

See main archive file for details of testing.

MODEL NUMBER BREAKDOWN

P90 Combination control incorporating a thermoelectric safety shutoff valve, high and low flow setting selector pushbuttons and an optional piezo-electric igniter.

SPECIFICATIONS

Mounting Position:	Multipoise
Ambient Operating Temperature Range:	32°F to 175°F
Rated Inlet Pressure:	1/2 psi
Capacity:	40,000 Btu/hr.

The above capacity is based on a gas having a heating value of 1,000 Btu per cubic foot, with a specific gravity of 0.64 at a pressure drop of 1.0 in w.c.

Coil Resistance:	18 mΩ ±3 mΩ
Hold-In Current:	100-200 mA
Drop-Out Current:	40-120 mA