ISA-5.2-1976 (R1992)

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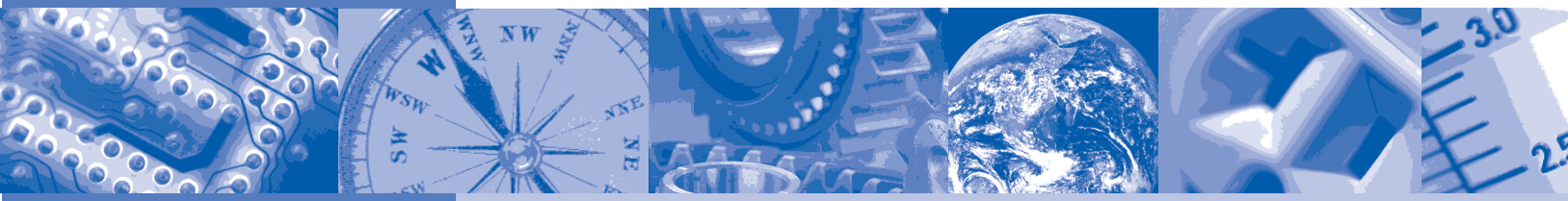

Binary Logic Diagrams for Process Operations

Reaffirmed 13 July 1992

ISA–The Instrumentation, Systems, and Automation Society

ISA-5.2-1976 (R1992)
Binary Logic Diagrams for Process Operations

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Preface

This preface is included for informational purposes and is not part of ISA-5.2-1976 (R1992).

This Standard has been prepared as a part of the service of ISA toward a goal of uniformity in the field of instrumentation. To be of real value, this document should not be static, but should be subject to periodic review. Toward this end, the Society welcomes all comments and criticisms, and asks that they be addressed to the Secretary, Standards and Practices Board, ISA, 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709, Telephone (919) 549-8411, e-mail: standards@isa.org.

The ISA Standards and Practices Department is aware of the growing need for attention to the metric system of units in general, and the International System of Units (SI) in particular, in the preparation of instrumentation standards. The Department is further aware of the benefits to USA users of ISA Standards of incorporating suitable references to the SI (and the metric system) in their business and professional dealings with other countries. Toward this end this Department will endeavor to introduce SI-acceptable metric units in all new and revised standards to the greatest extent possible. *The Metric Practice Guide*, which has been published by the American Society for Testing and Materials as ANSI designation Z210.1 (ASTM E380-76, IEEE Std. 286-1975), and further revisions, will be the reference guide for definitions, symbols, abbreviation, and conversion factors.

It is the Policy of ISA to encourage and welcome the participation of all concerned individuals and interests in the development of ISA Standards. Participation in the ISA Standards making process by an individual in no way constitutes endorsement by the employer of that individual of ISA or any of the Standards which ISA develops.

The system described in this Standard is intended to meet the needs of people who are concerned with the operation of process systems. The guide for the Standard was American National Standards Institute (ANSI) Standard Y32.14.1973, Graphic Symbols for Logic Diagrams, which the committee attempted to follow so far as practical for the intended users of the ISA Standard.

The Committee also referred to National Electric Manufacturers Association Standards ICS 1-102, Graphic Symbols for Logic Diagrams, whose symbols bear resemblance to those of the ANSI Standard, and ICS 1-103, Static Switching Control Devices, which may eventually be supplanted by ICS 1-102. Reference was also made to National Fluid Power Association Recommended Standard T.3.7.68.2, Graphic Symbols for Fluidic Devices and Circuits. In addition, numerous other industrial standards were reviewed.

The following people served on the 1976 SP5.2 Committee:

NAME	COMPANY
George Platt, Chairman	Bechtel Power Company
Edward J. Blahut	Procon Incorporated, Pacific Operations
Sanford Chalfin	Fluor Corporation
Louis Costea	Hunt-Wesson Foods, Incorporated
Russell C. Greer	Bailey Meter Company
Roy Lazar	Carnation Company